

FIG. 1

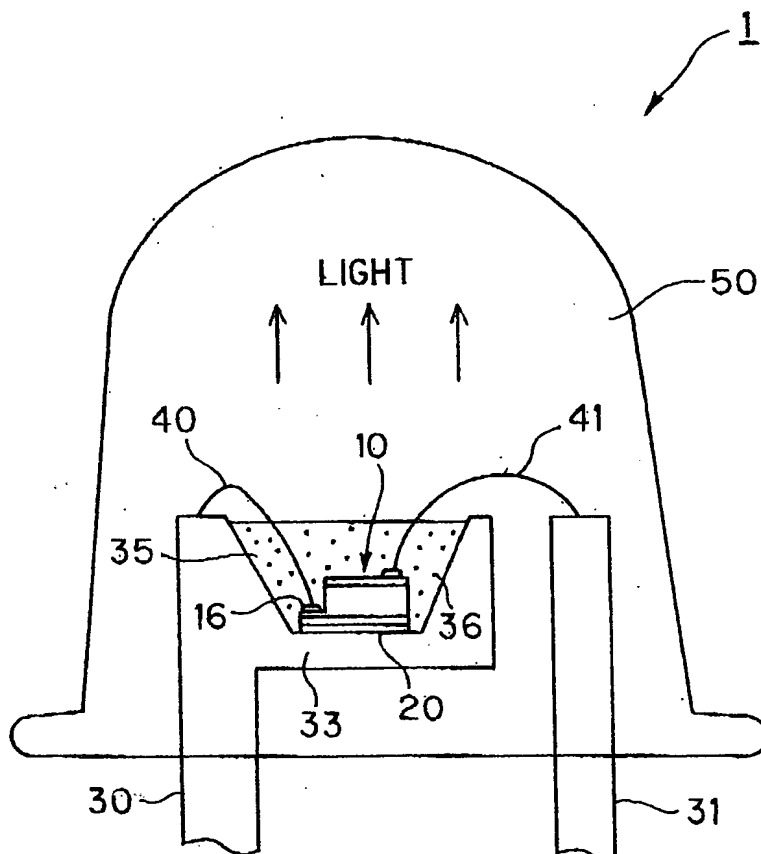


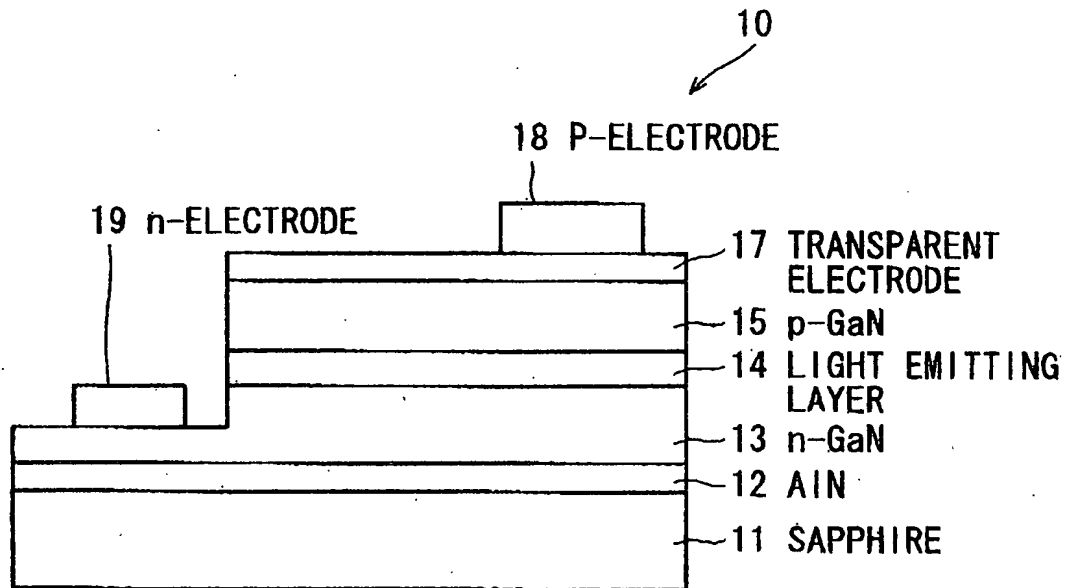
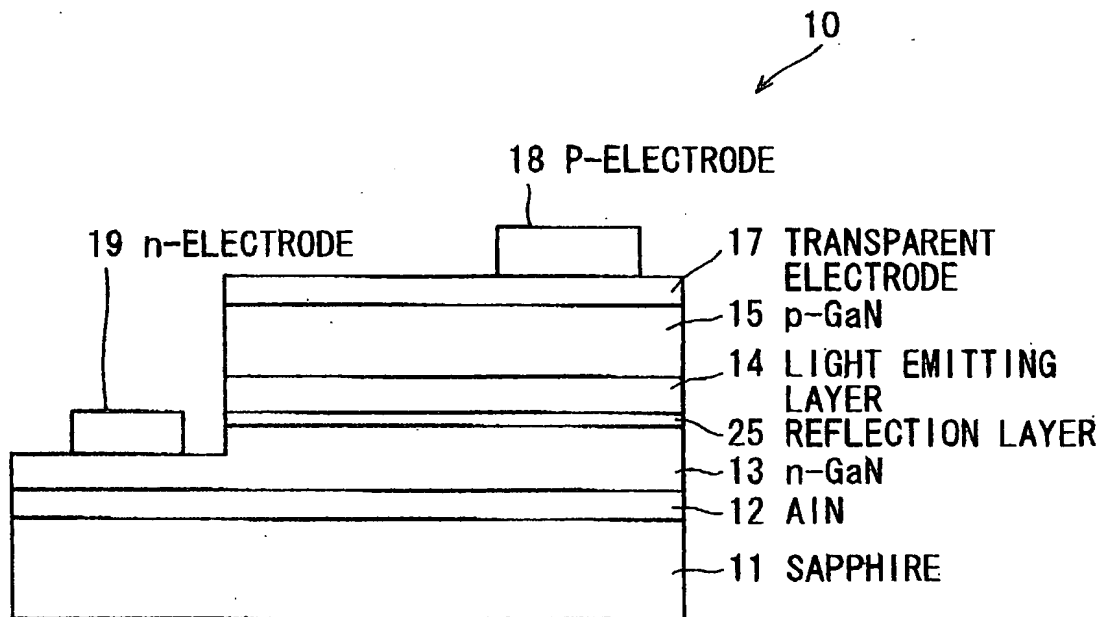
FIG. 2**FIG. 3**

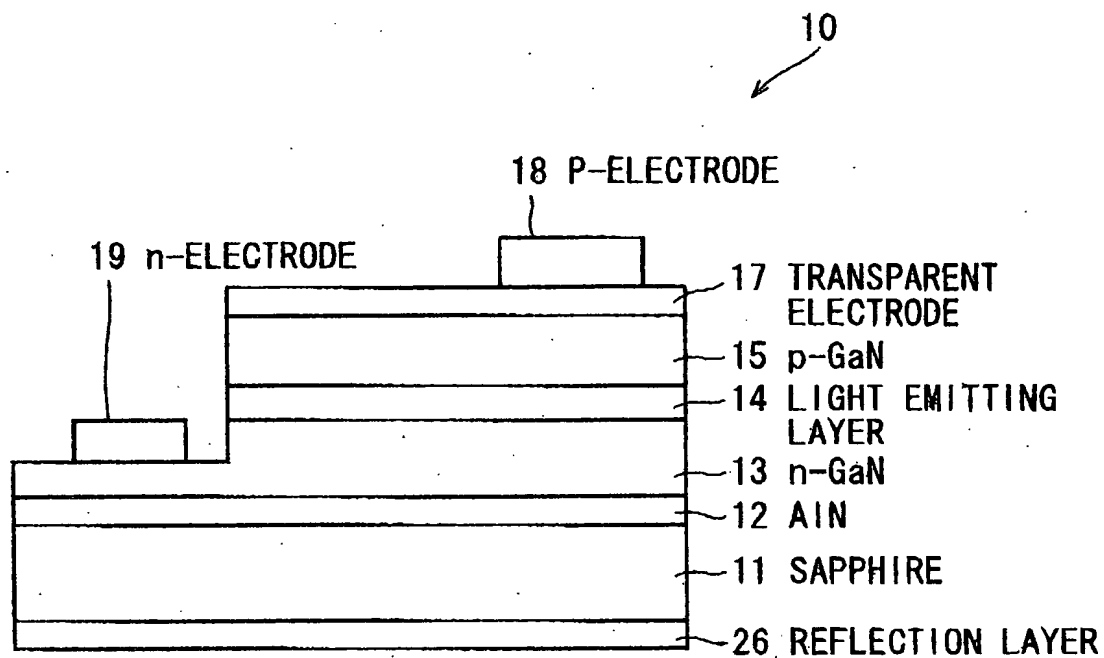
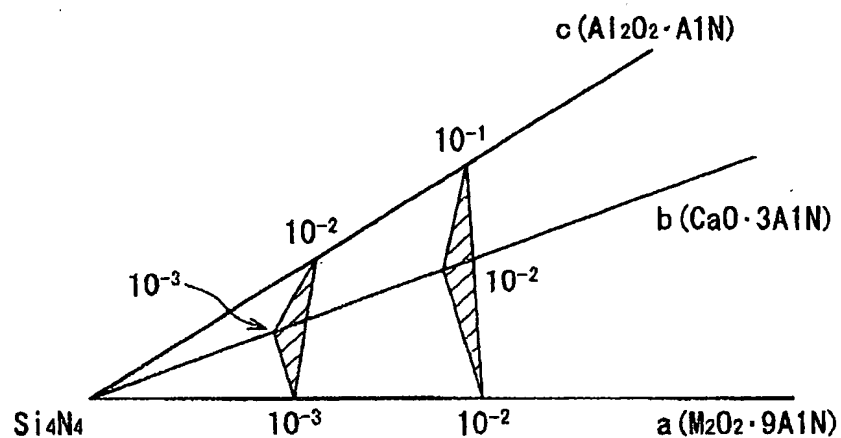
FIG. 4**FIG. 5**

FIG. 6A

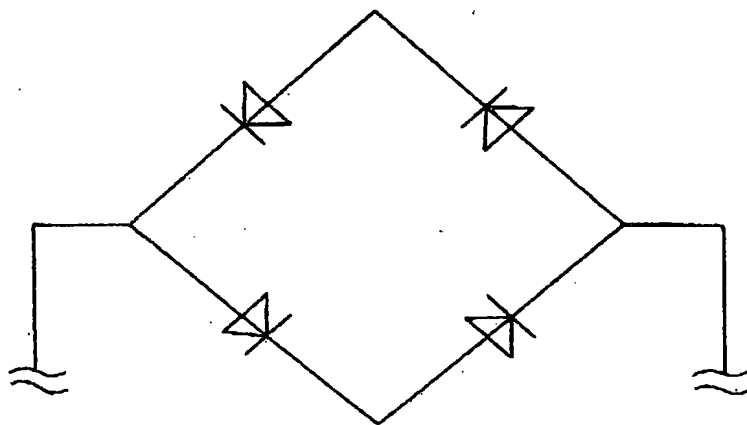


FIG. 6B

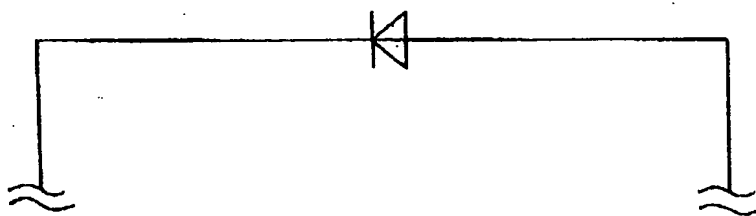


FIG. 7A

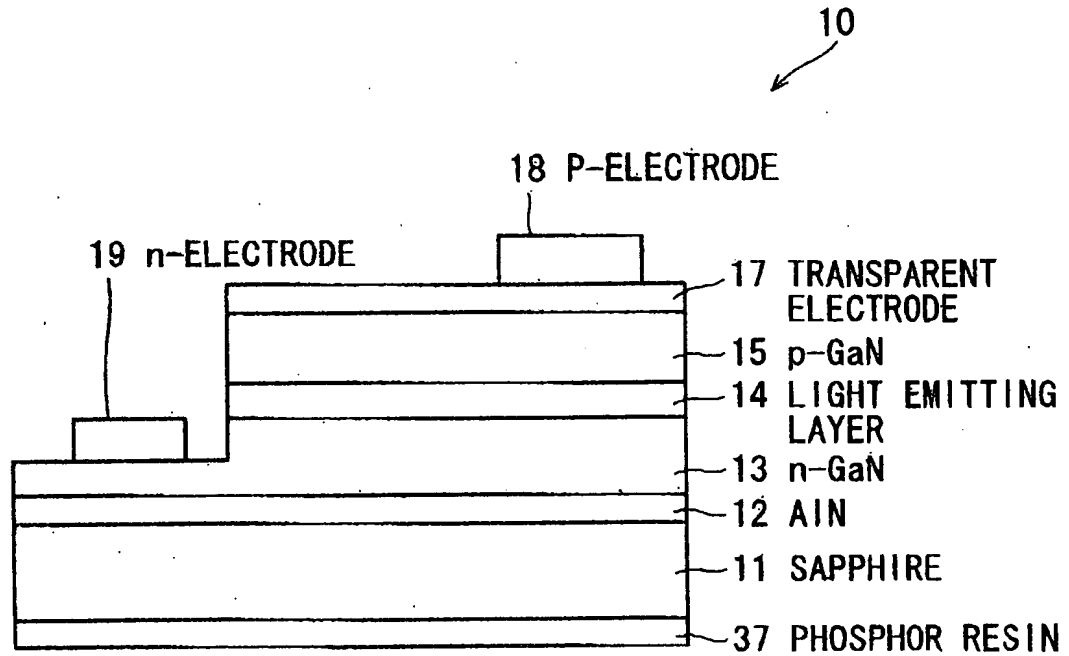


FIG. 7B

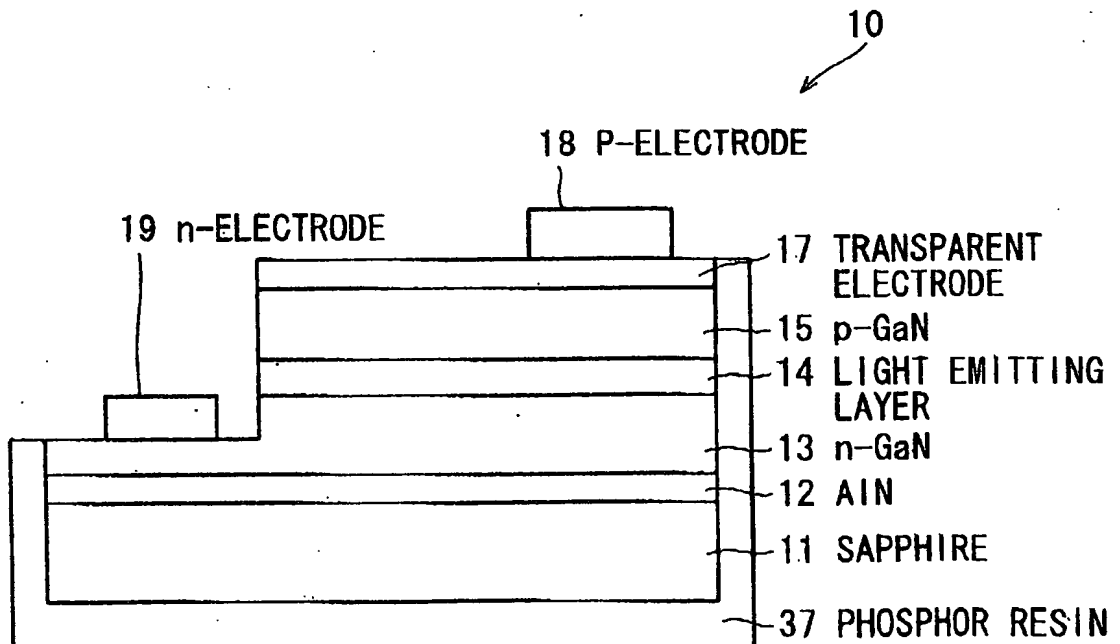


FIG. 8

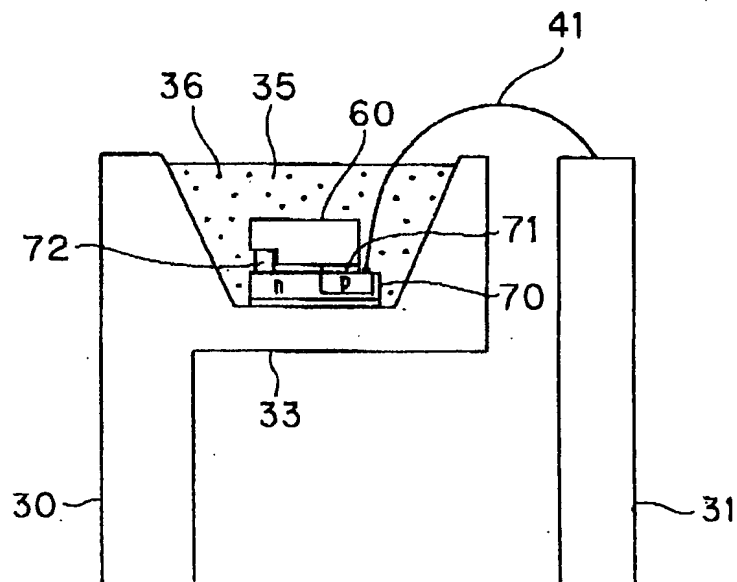


FIG. 9A

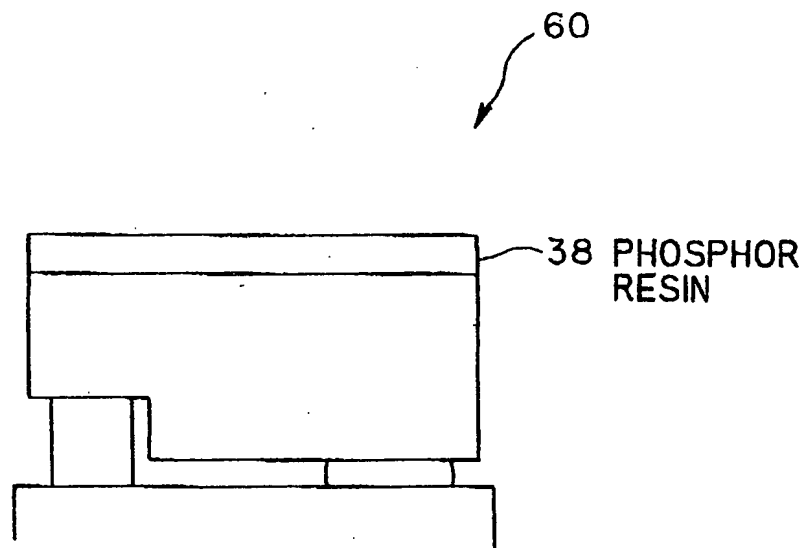


FIG. 9B

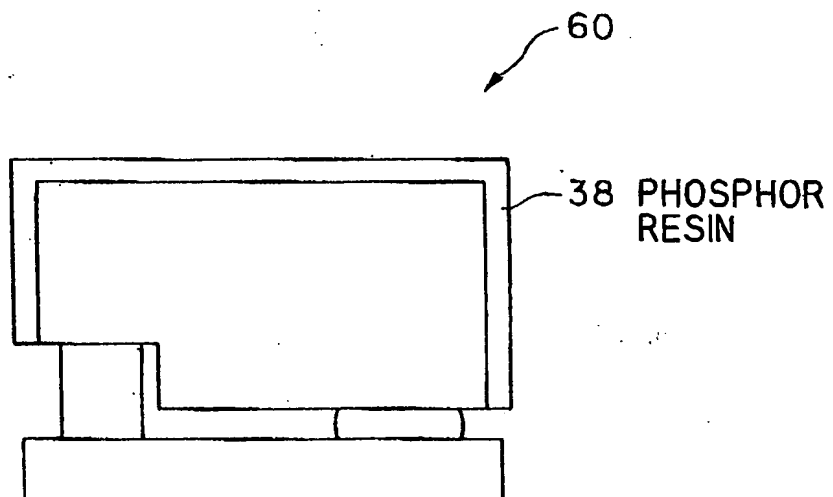


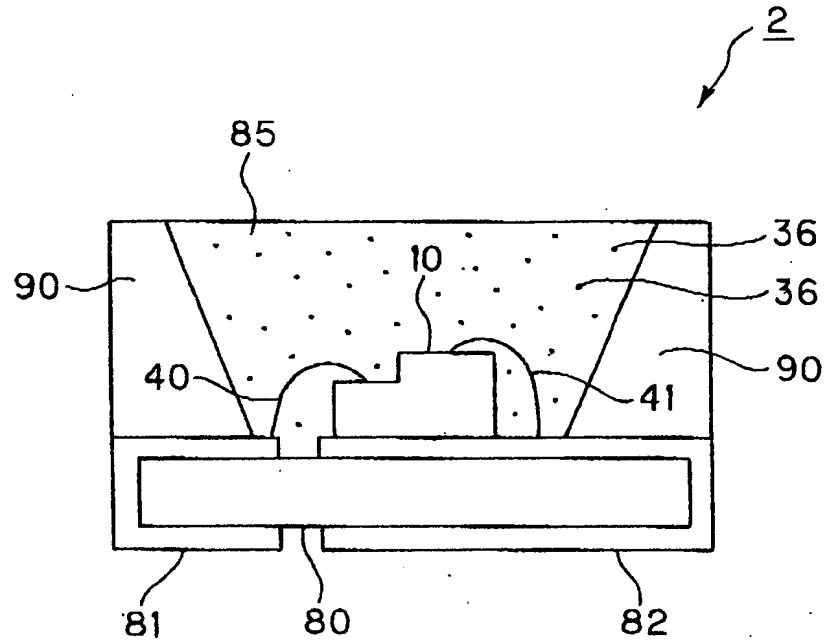
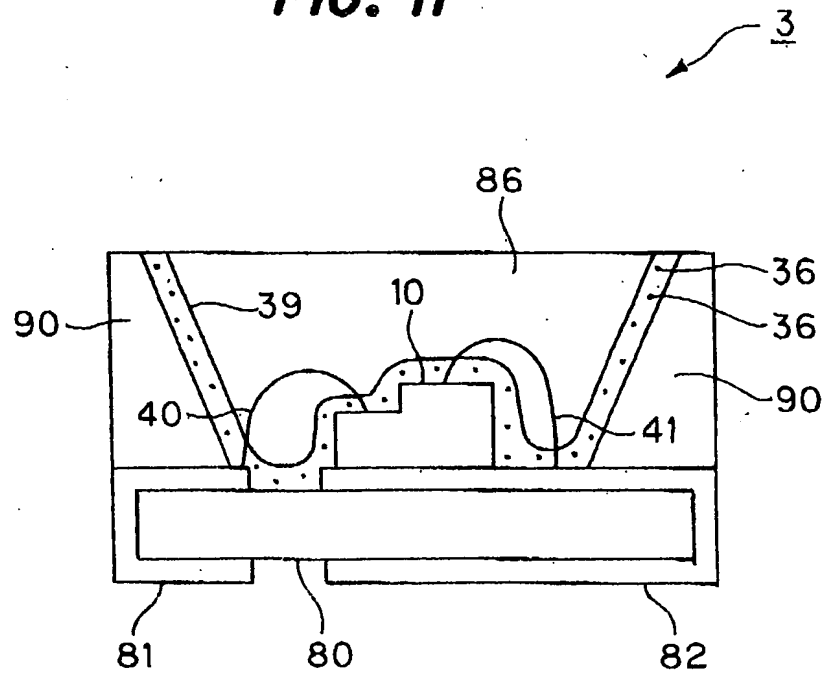
FIG. 10**FIG. 11**

FIG. 12

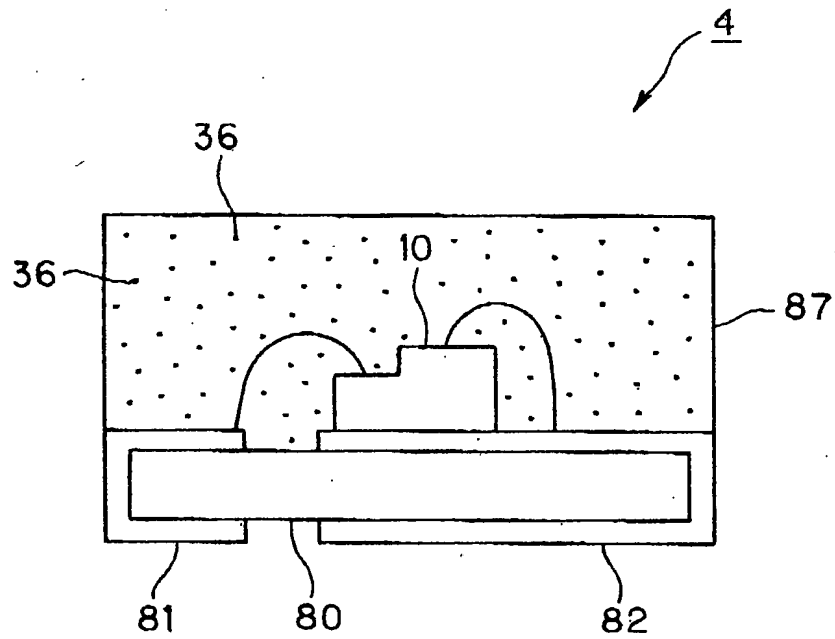


FIG. 13

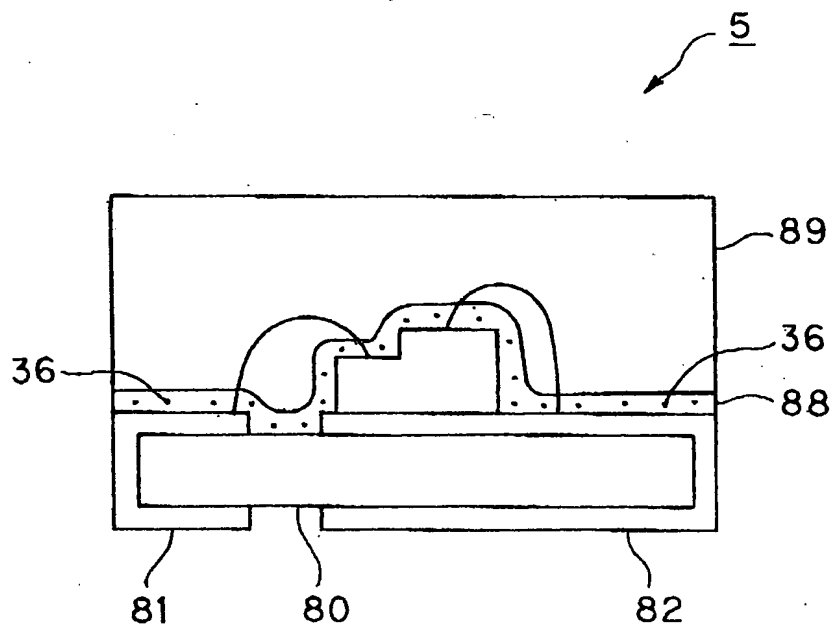


FIG. 14

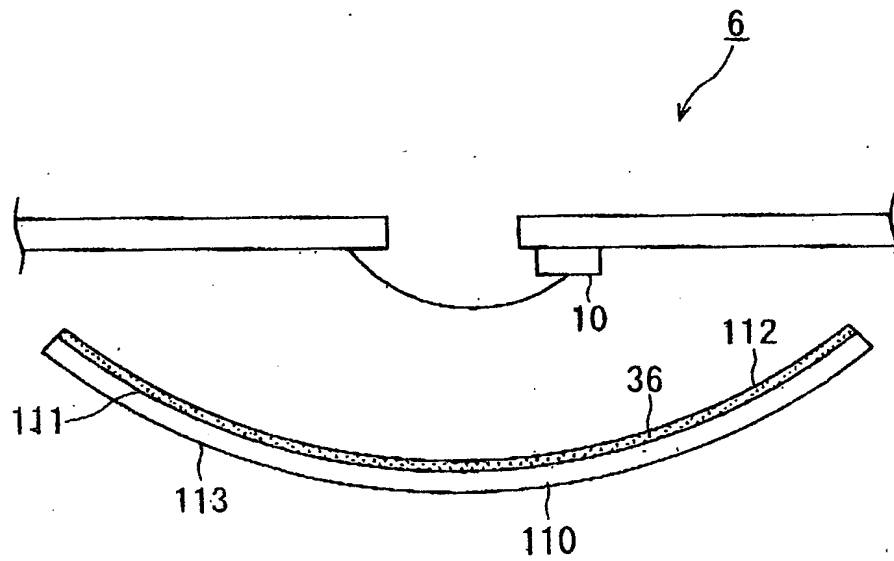


FIG. 15A

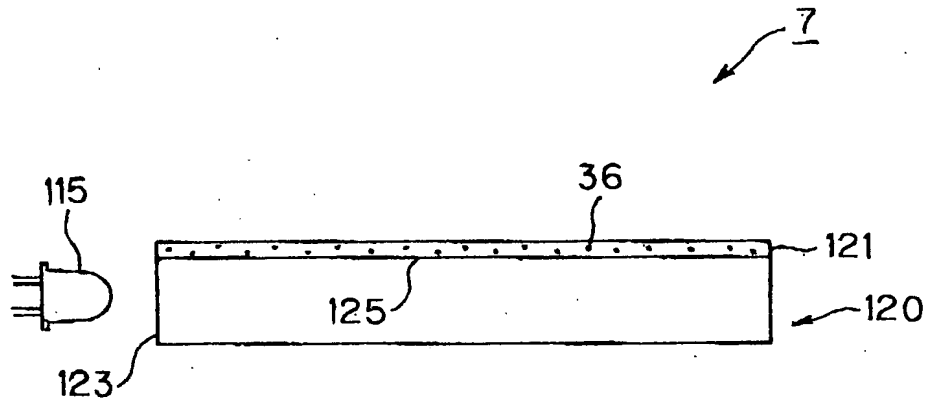


FIG. 15B

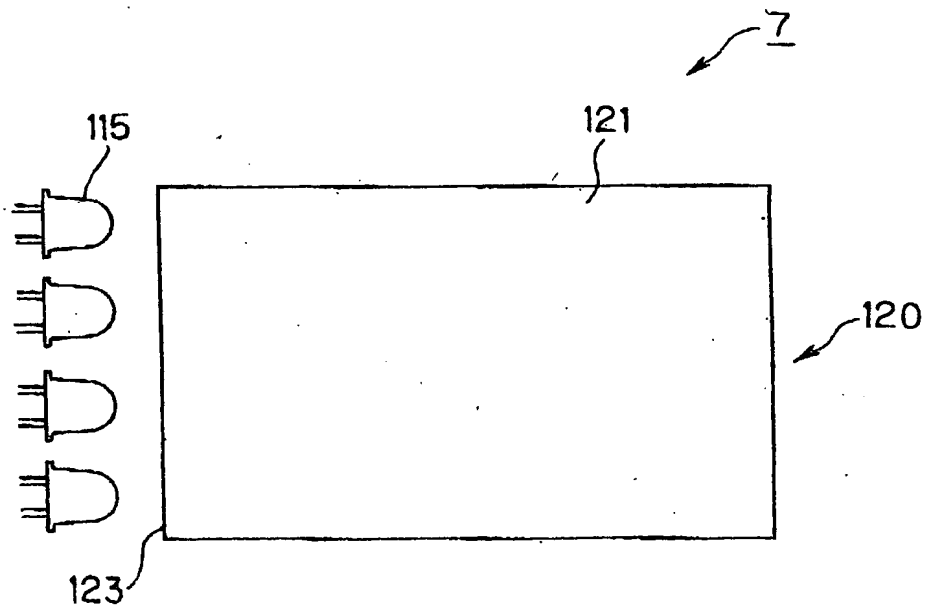


FIG. 16

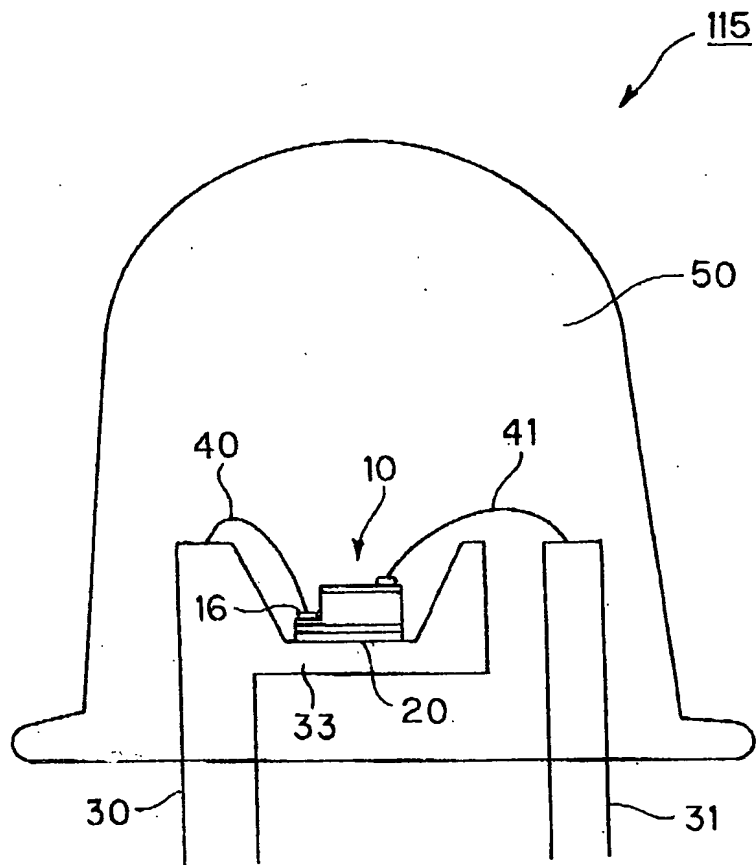


FIG. 17A

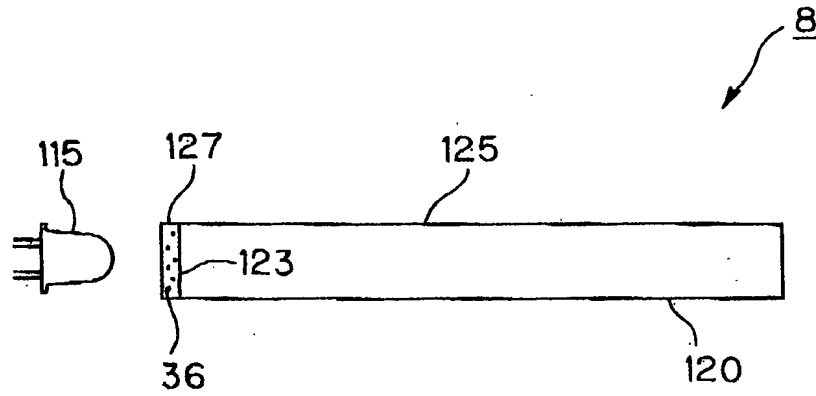


FIG. 17B

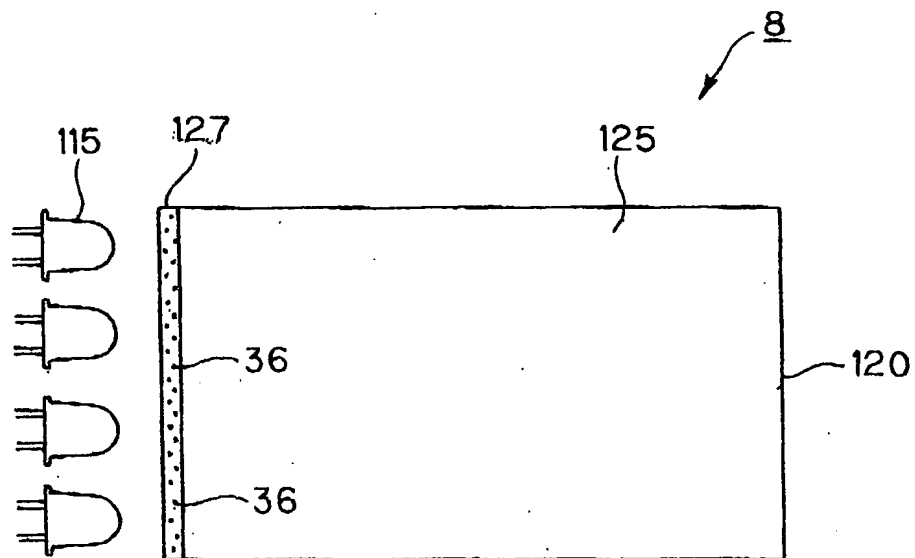


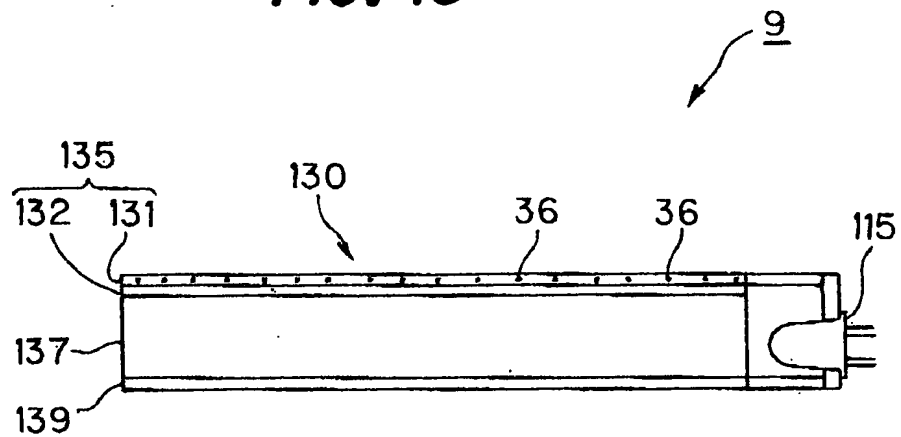
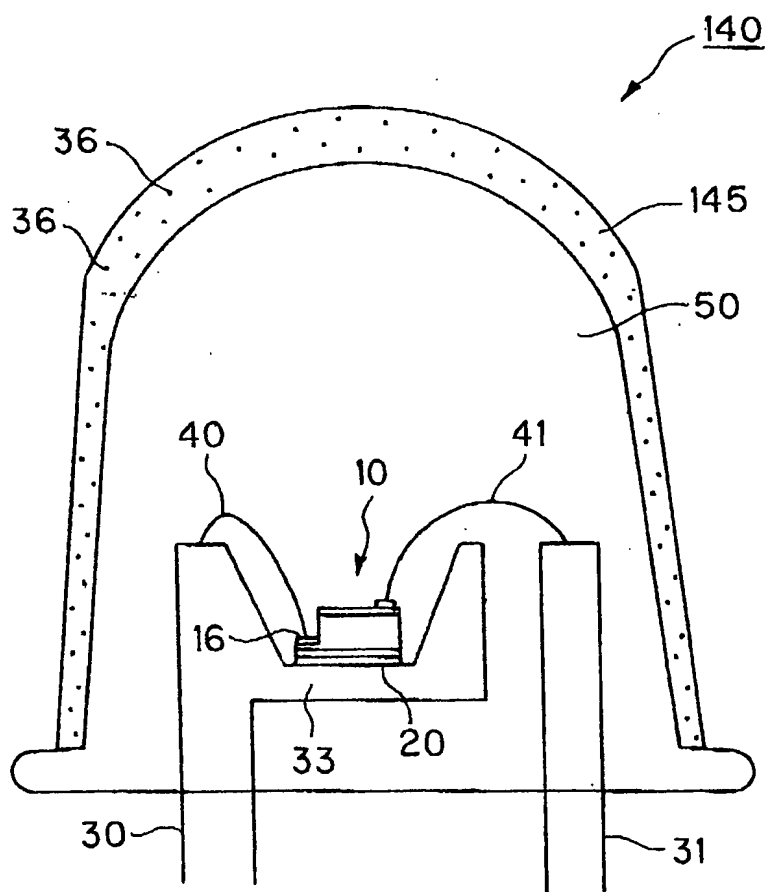
FIG. 18**FIG. 19**

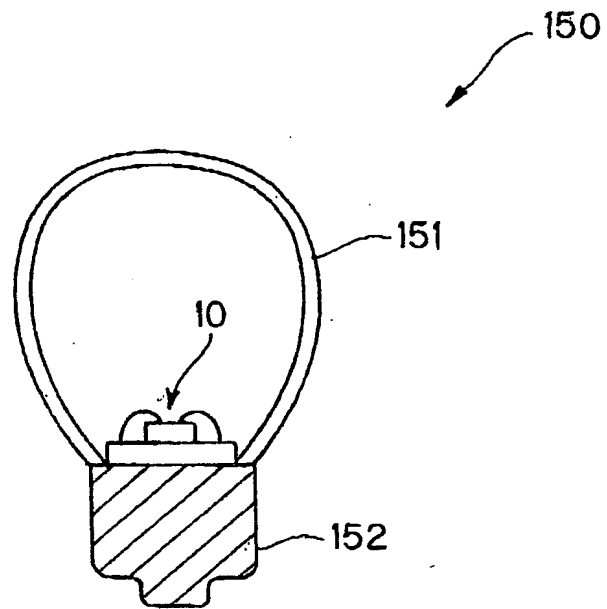
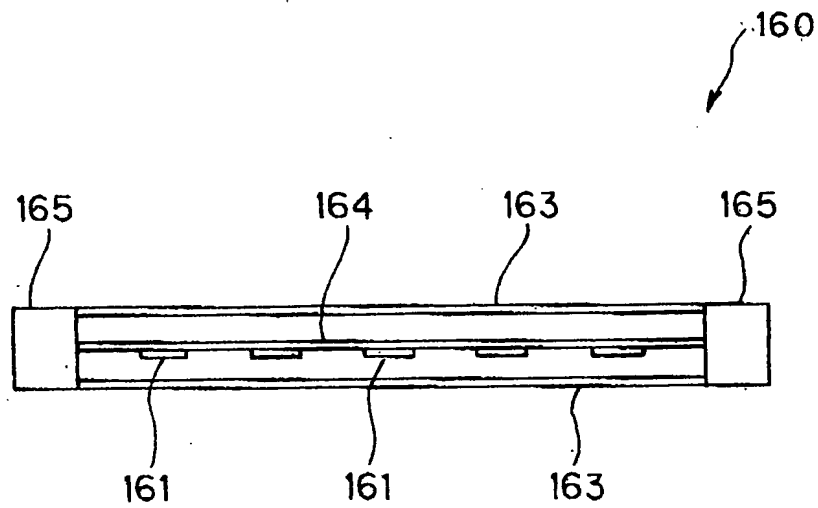
FIG. 20**FIG. 21**

FIG. 22

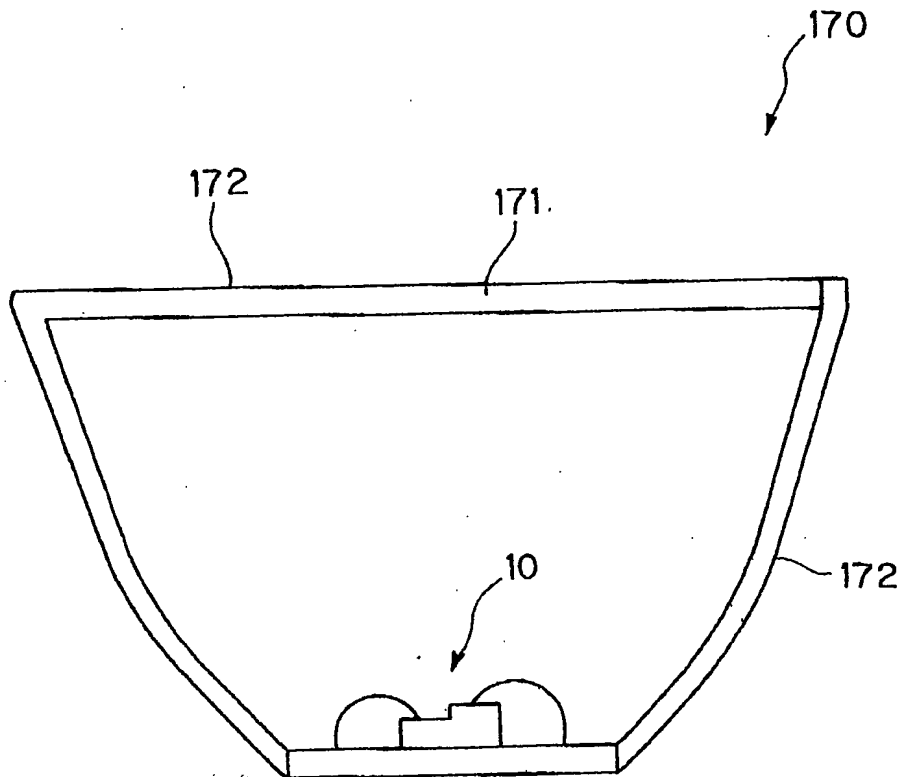


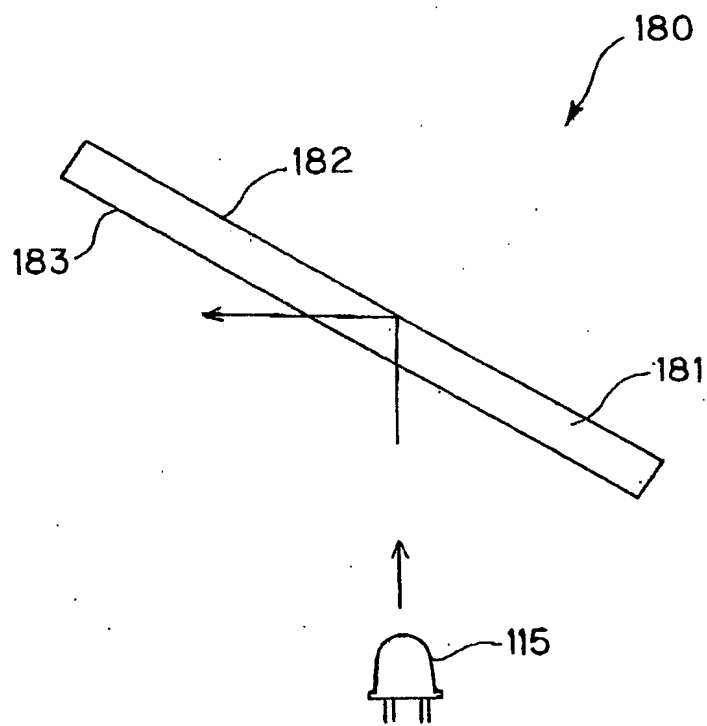
FIG. 23

FIG. 24

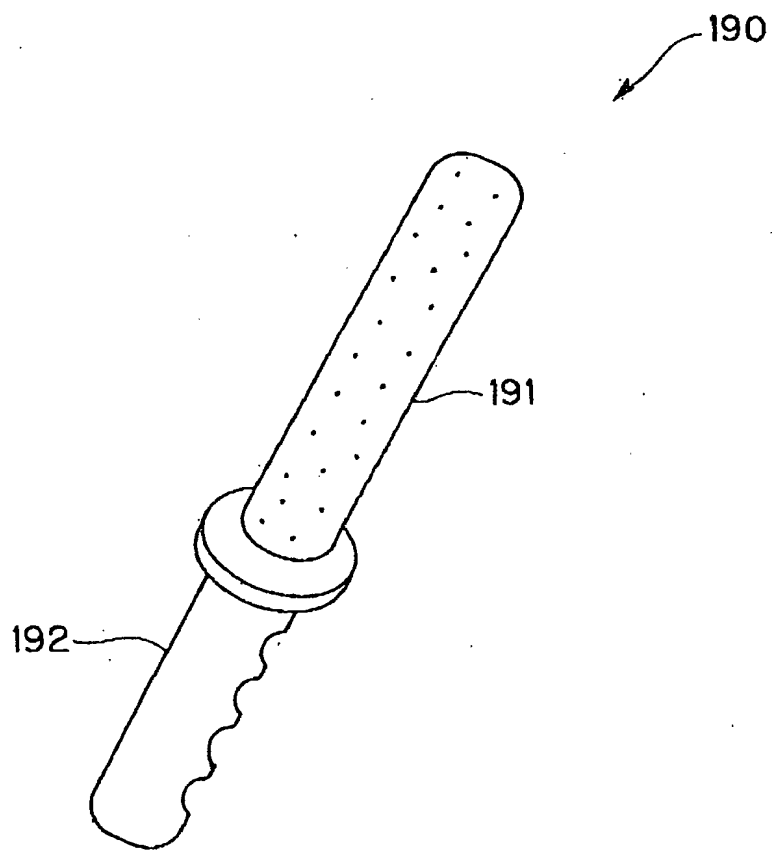


FIG. 25A

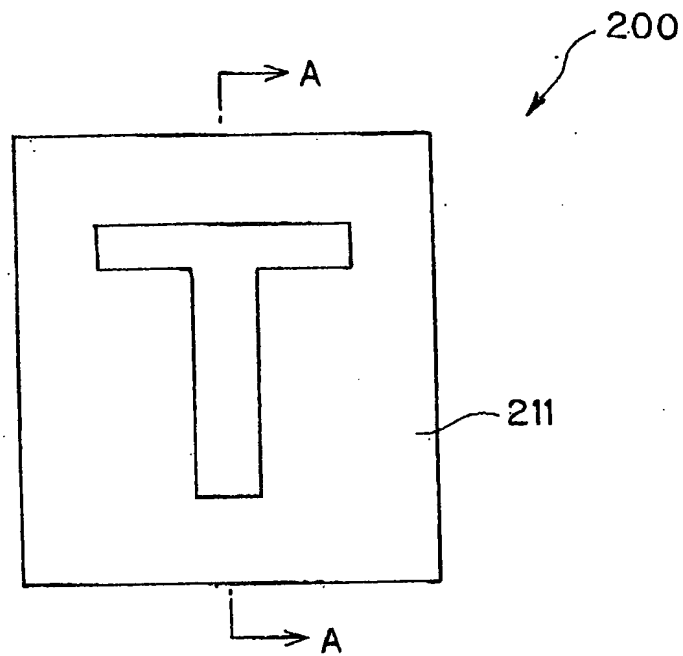


FIG. 25B

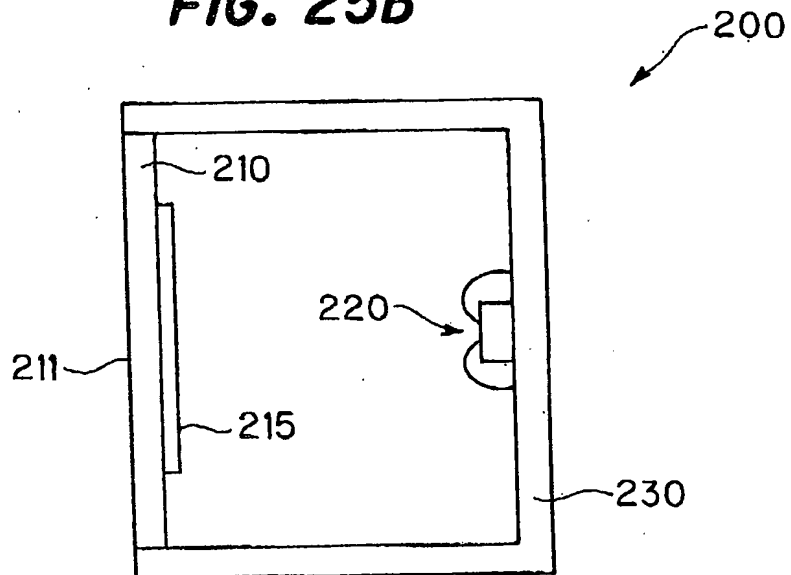


FIG. 26

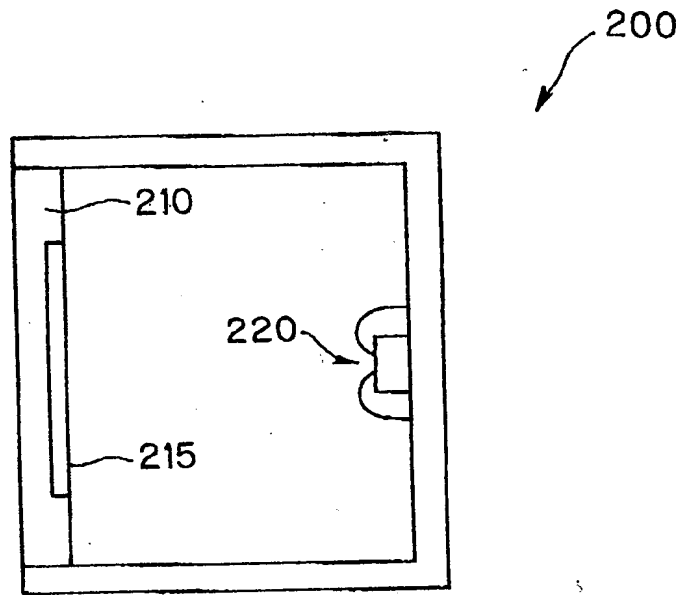


FIG. 27

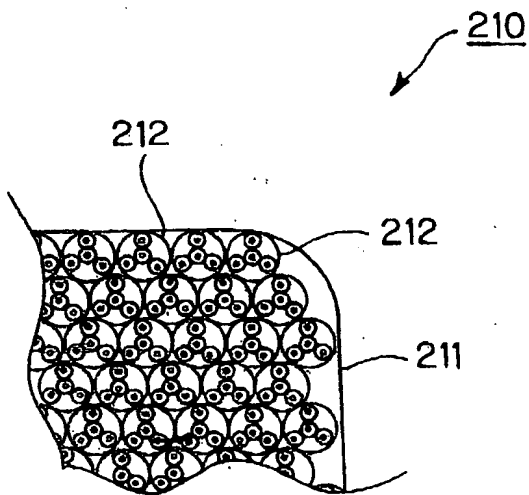


FIG. 28

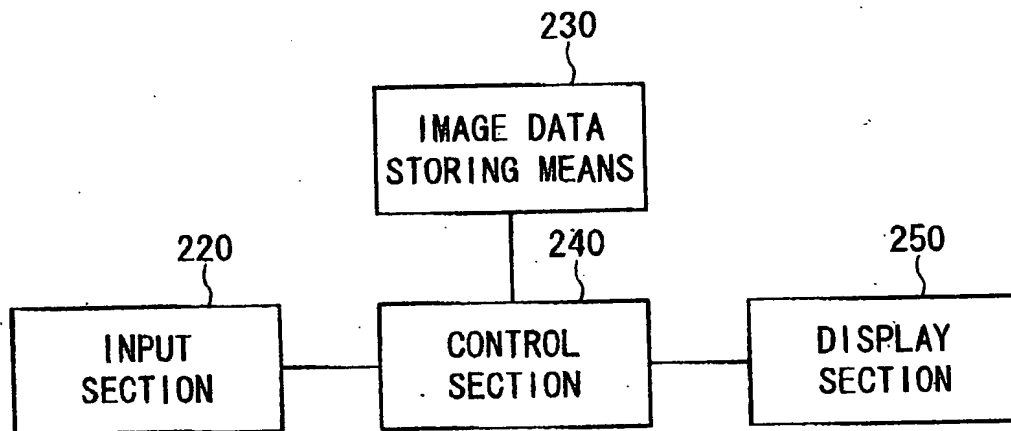


FIG. 29

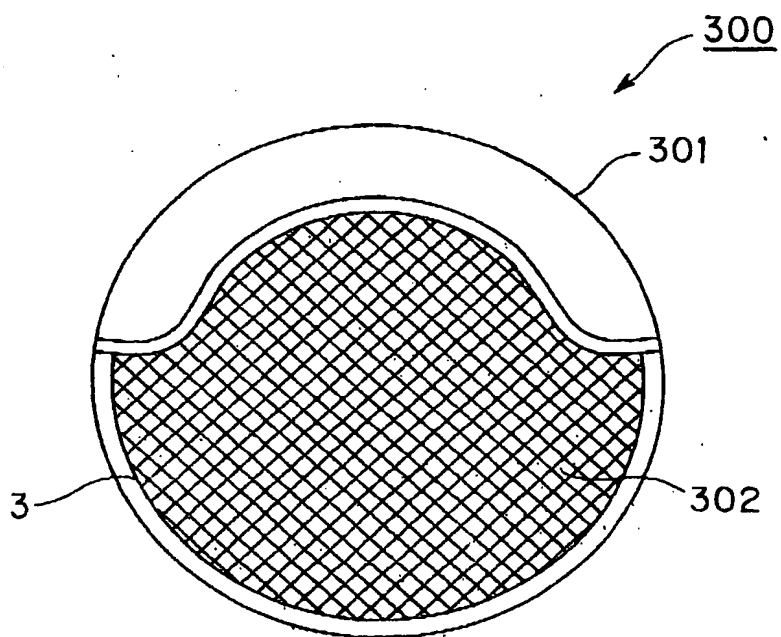


FIG. 30

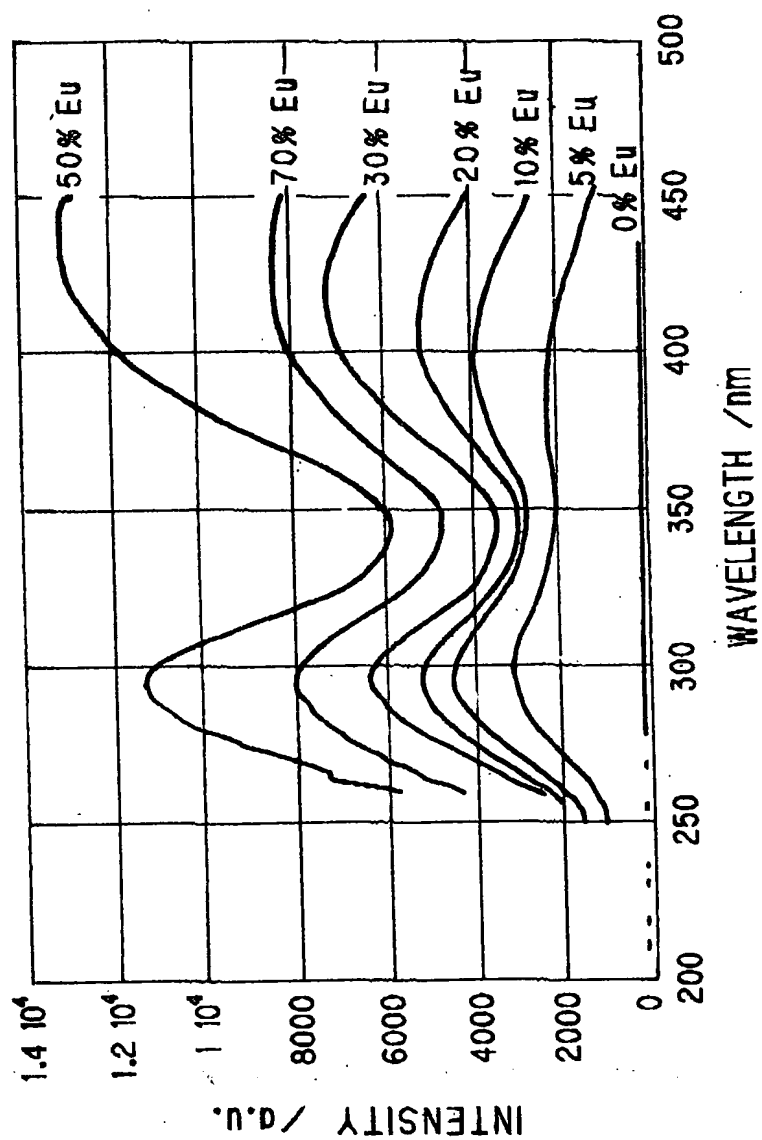


FIG. 31

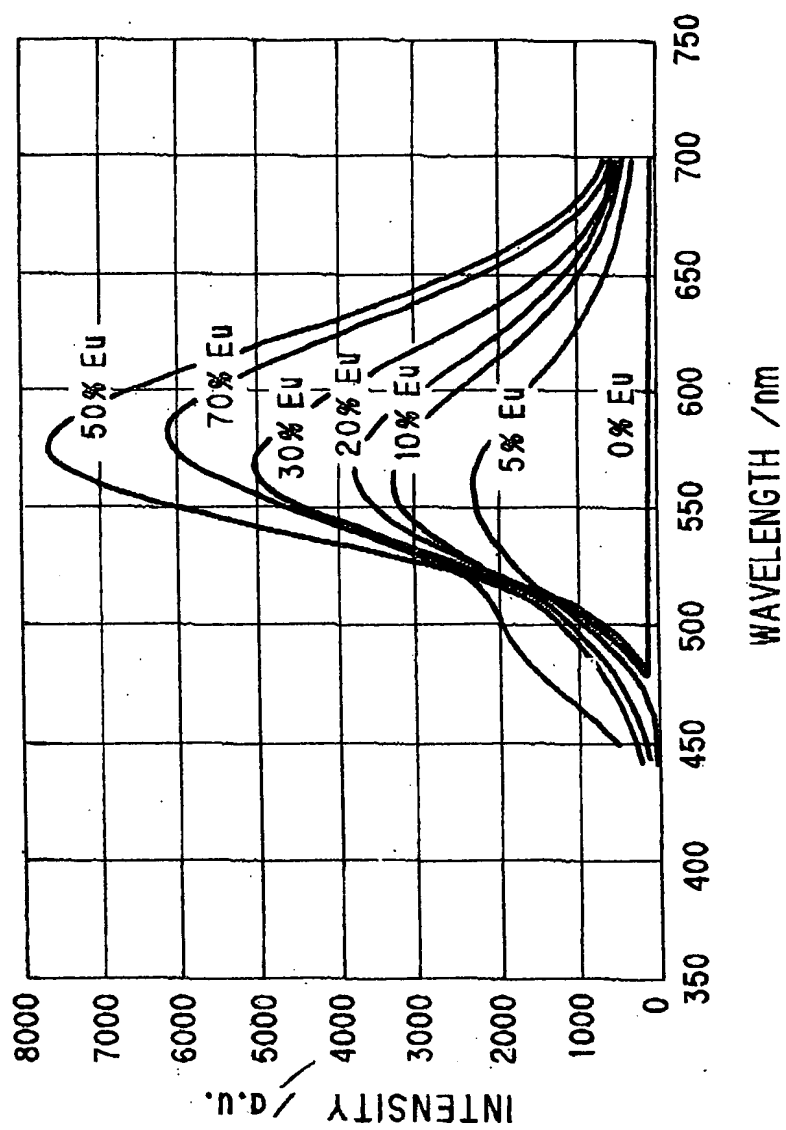


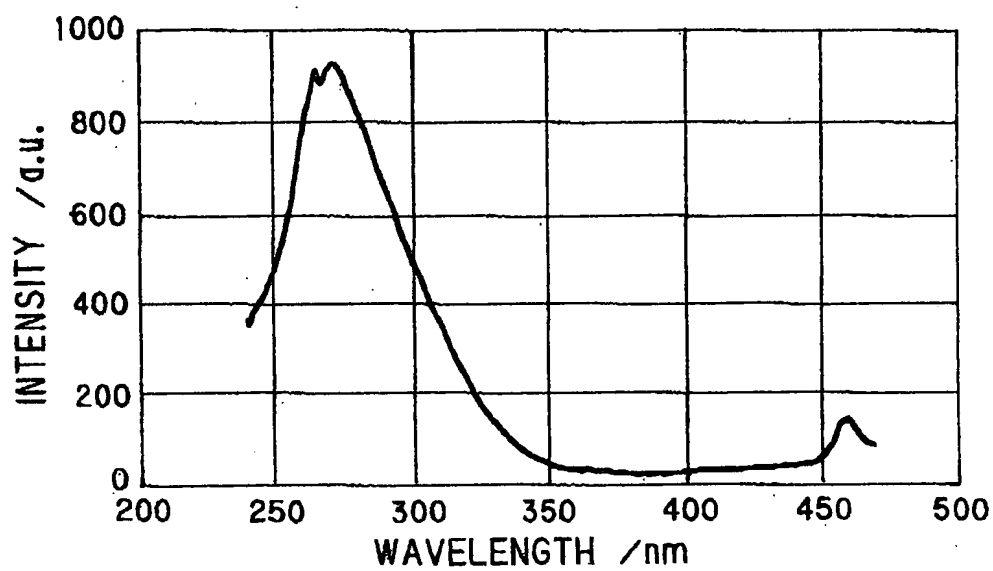
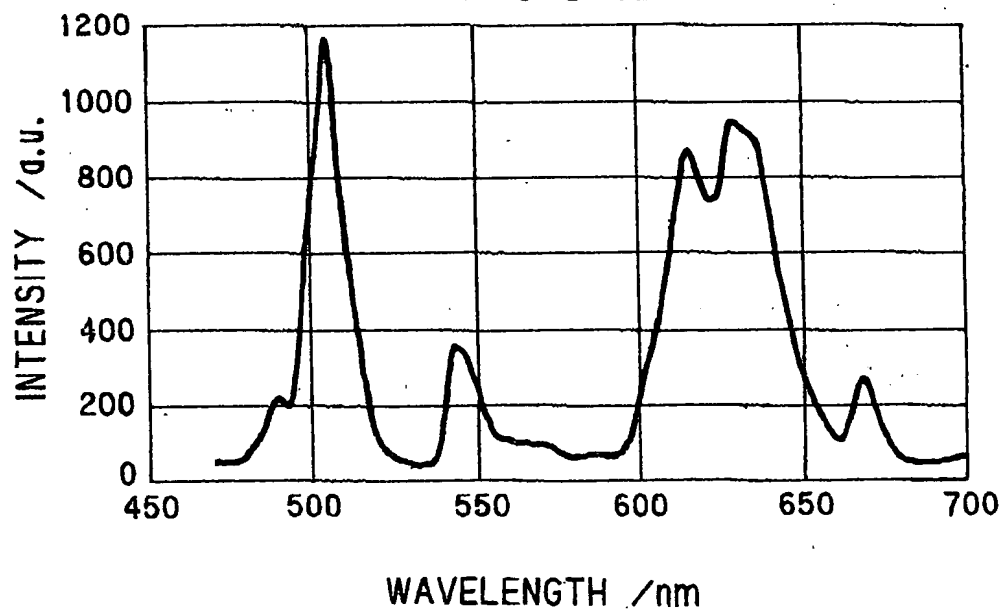
FIG. 32A**FIG. 32B**

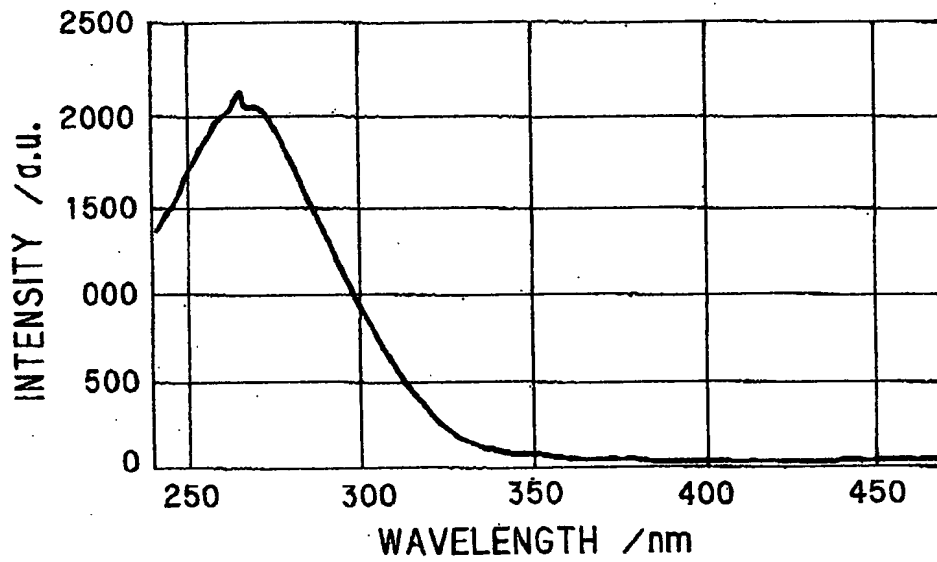
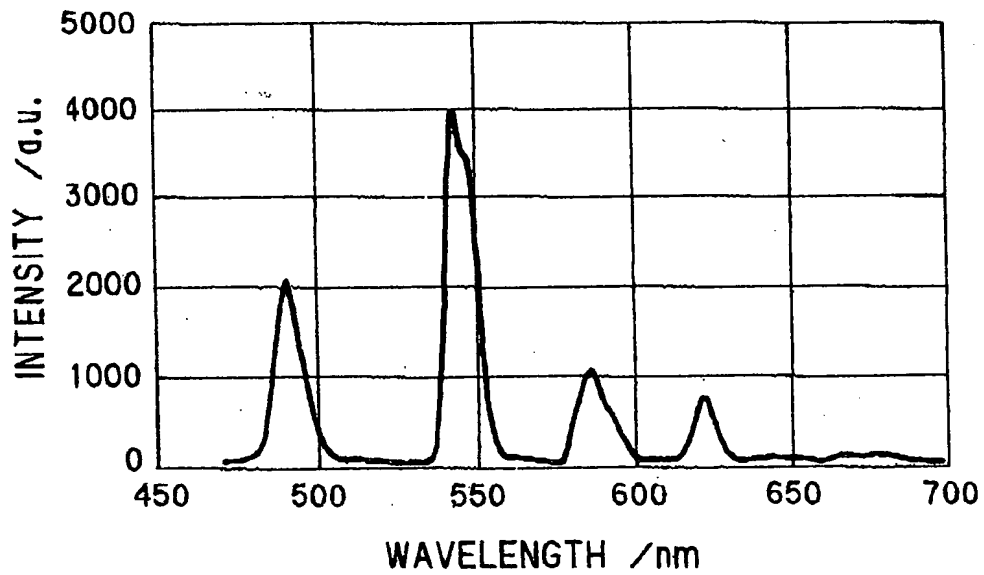
FIG. 33A**FIG. 33B**

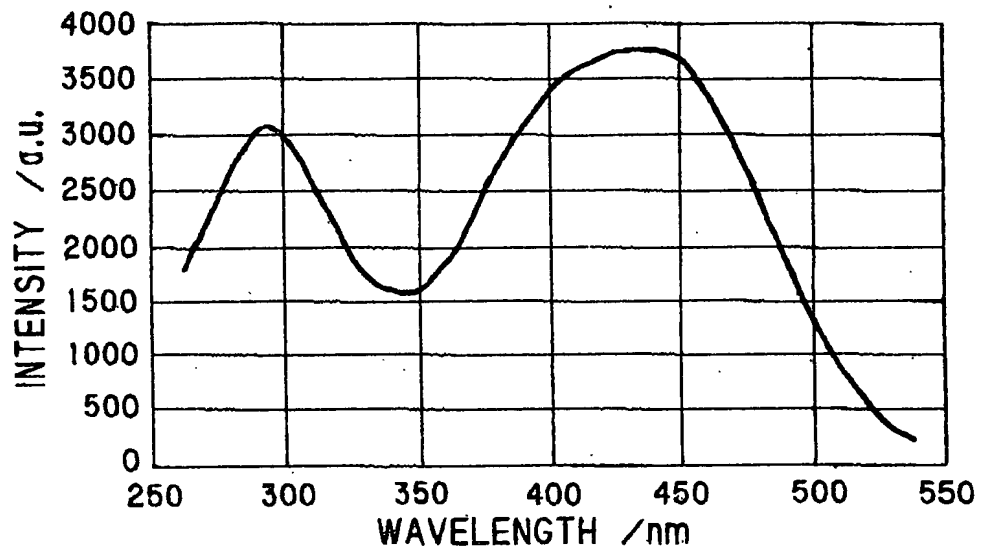
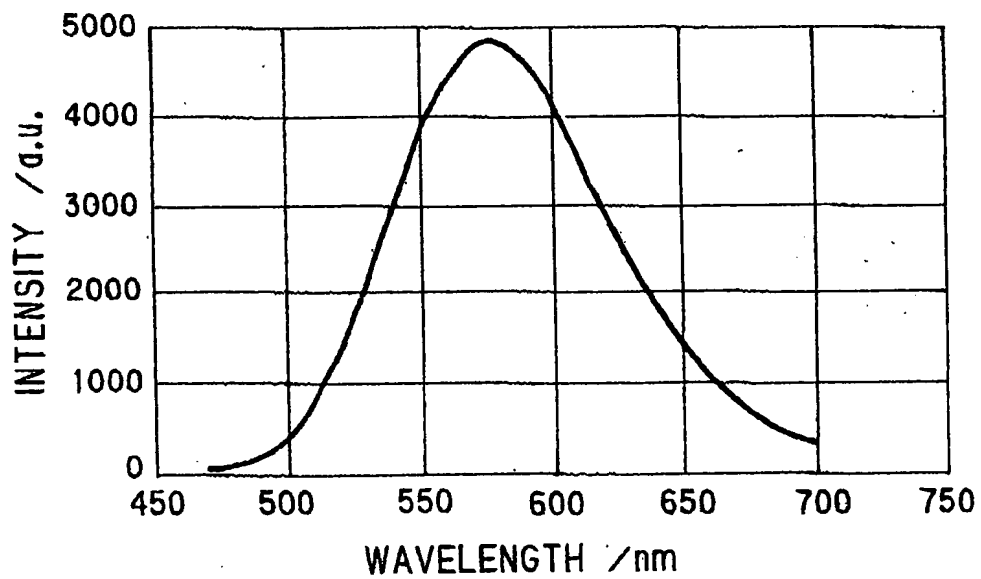
FIG. 34A**FIG. 34B**

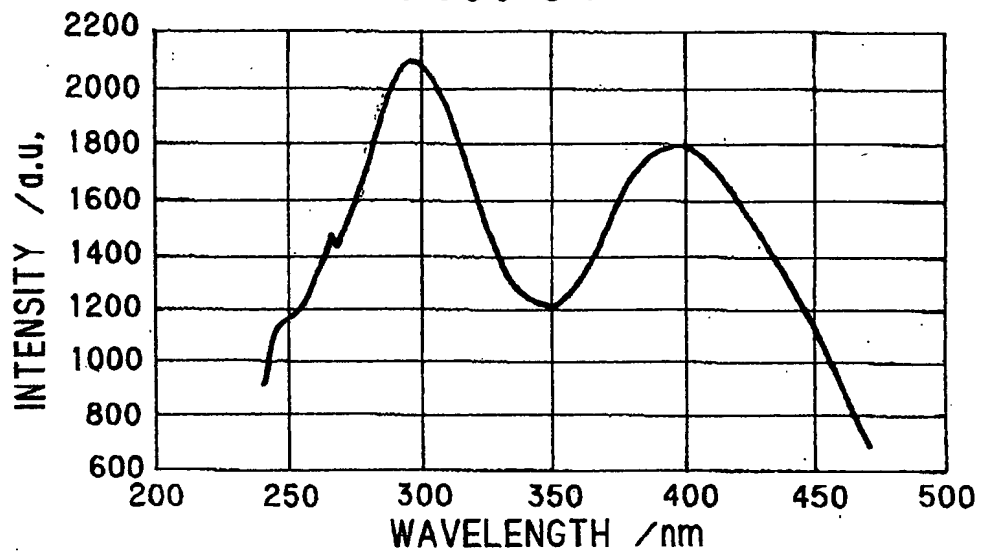
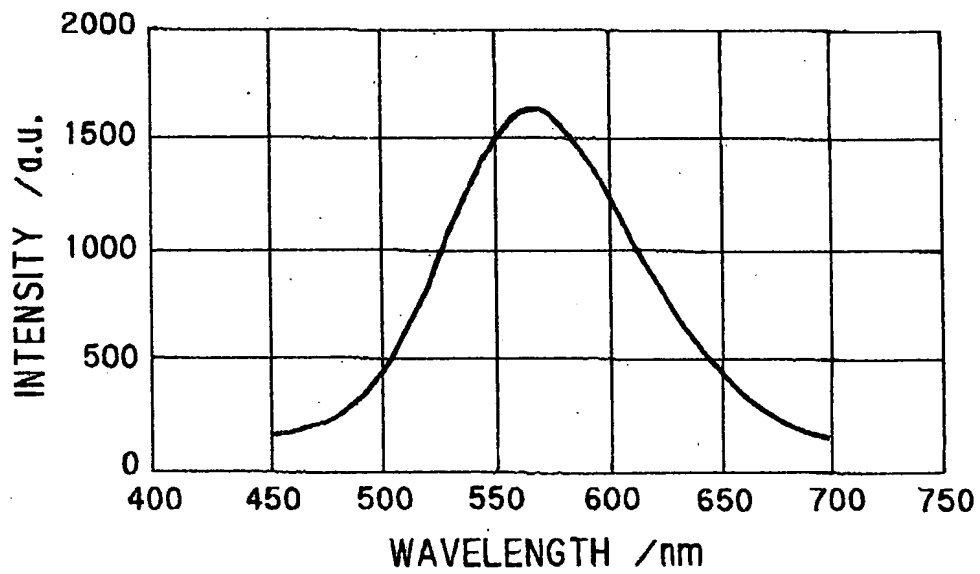
FIG. 35A**FIG. 35B**

FIG. 36

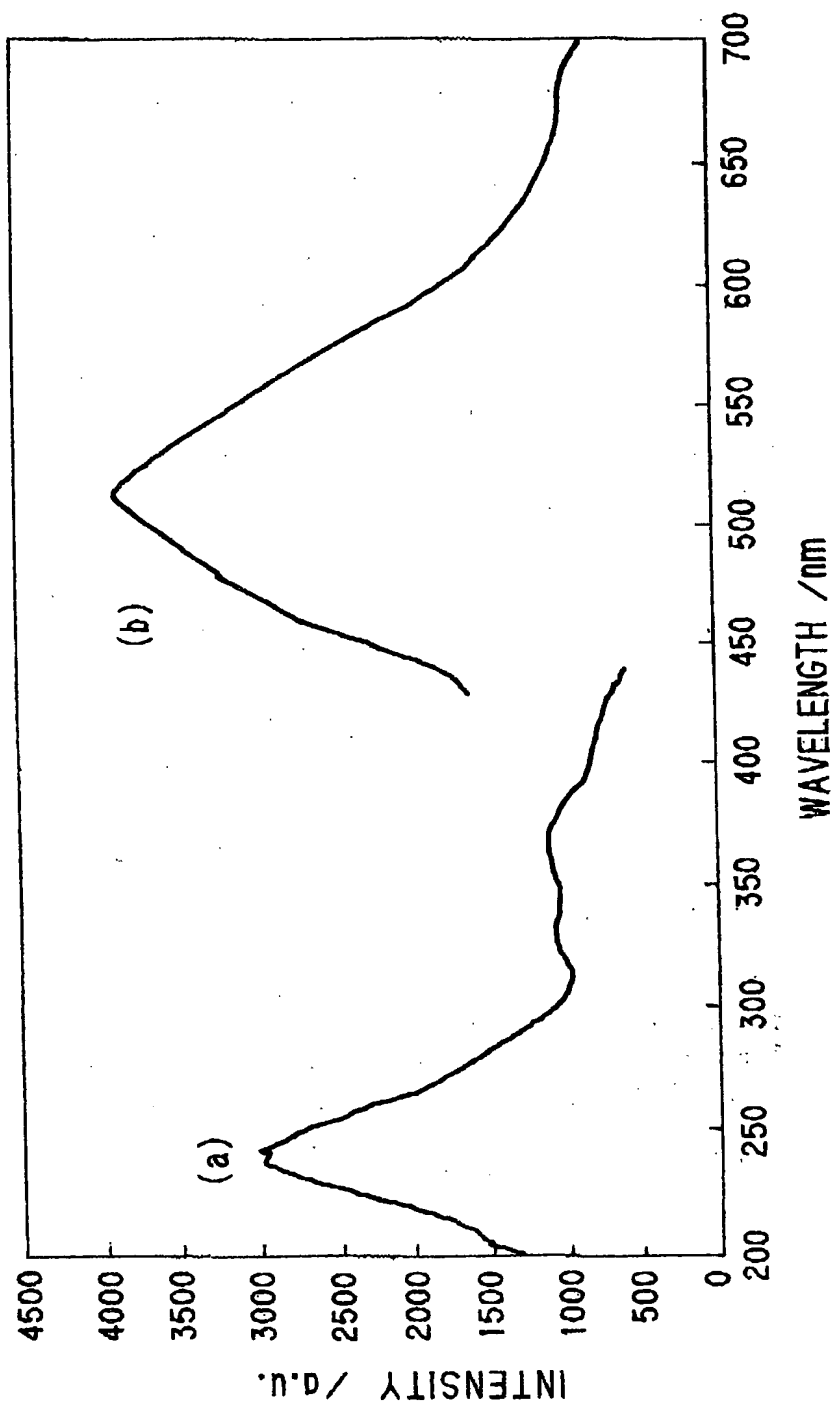


FIG. 37

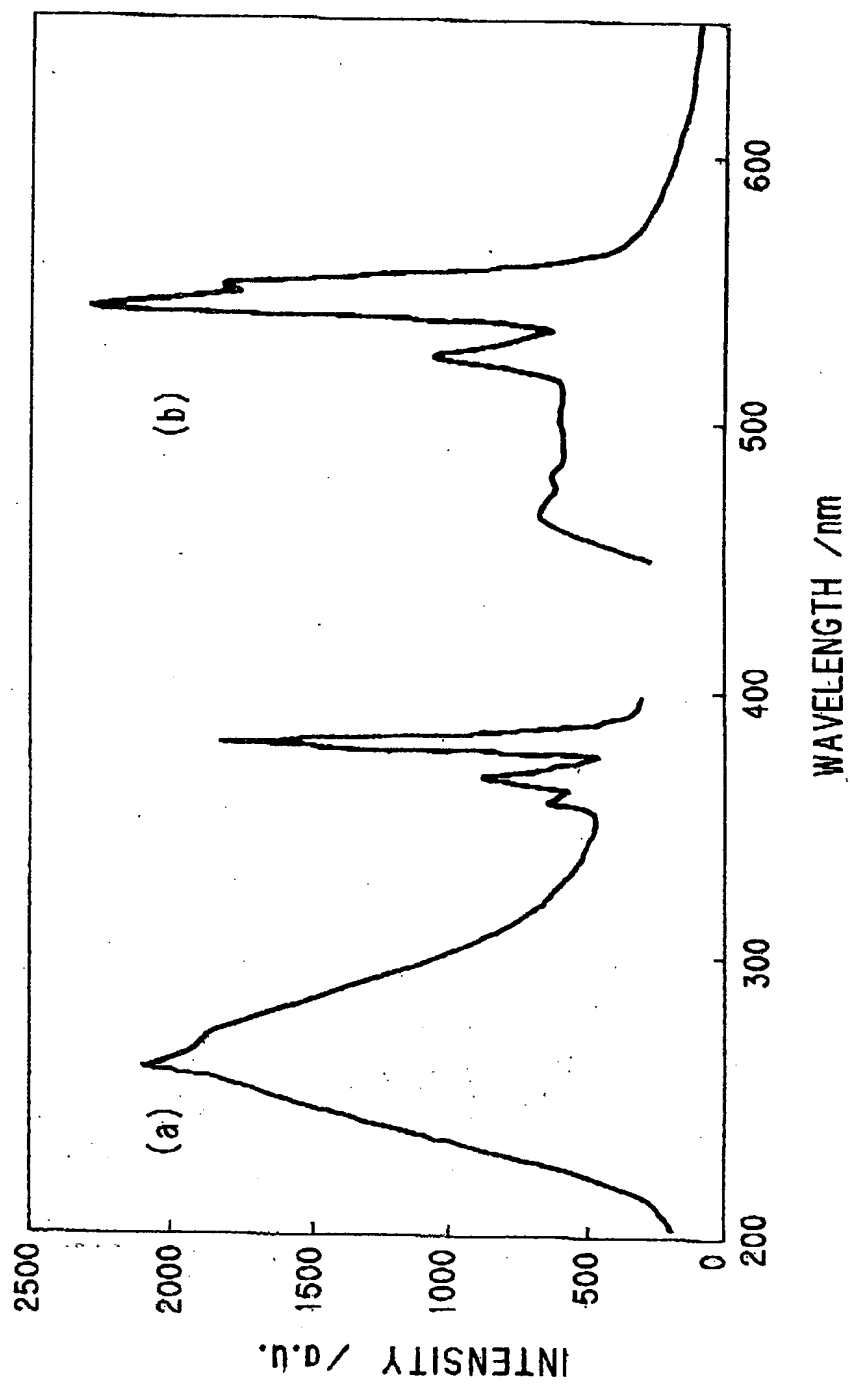


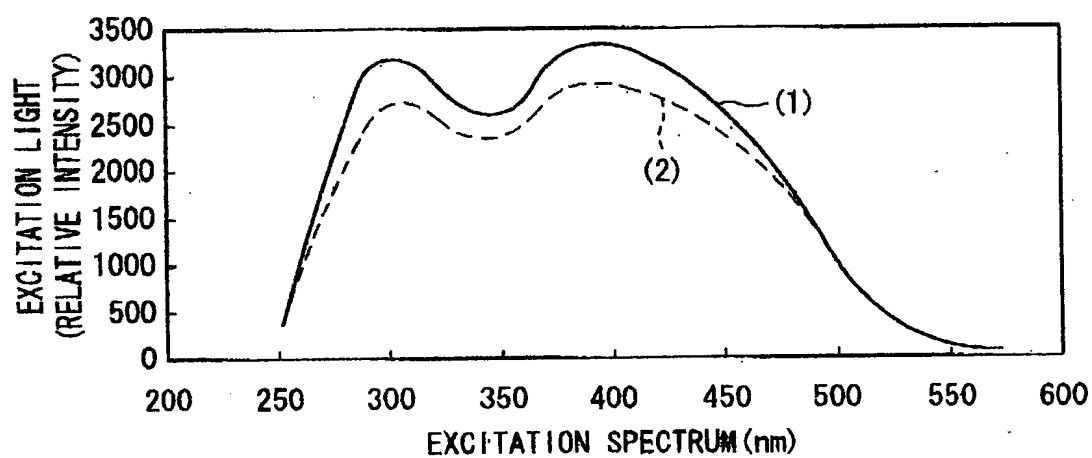
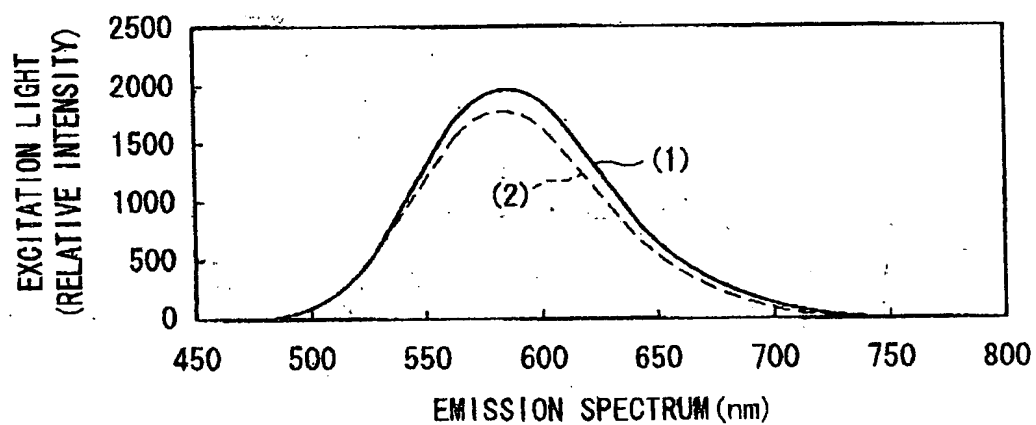
FIG. 38**FIG. 39**

FIG. 40

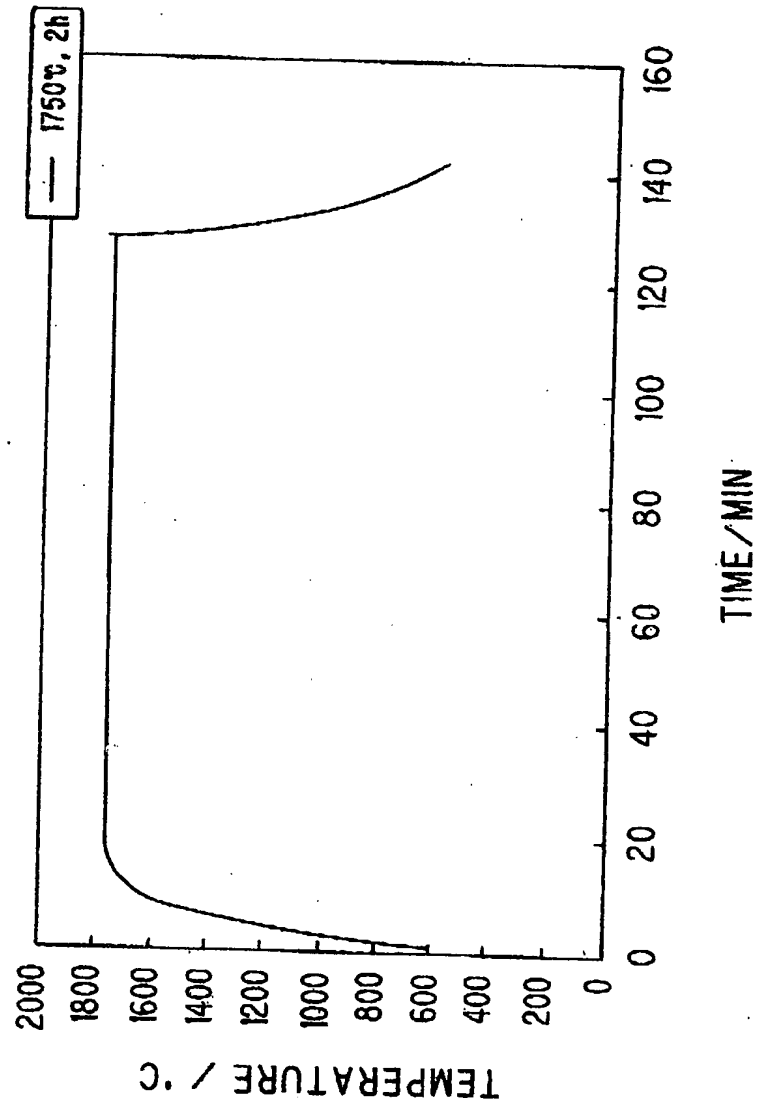


FIG. 41

	A	B	C	D	E	F	G	H	I	J
*	3015	2010	1005	3030	2015	2010	1005	05025	05025	0505
CdO	11.6	8.3	3.1	9.7	7.9	11.3	6.1	2.2	3.26	3.2
Si ₃ N ₄	29.4	42.9	63.6	22.2	39.1	42.9	63.6	79.0	79.0	75.9
AlN	52.9	42.9	27.3	55.6	44.6	42.9	27.3	15.8	15.8	17.2
Al ₂ O ₃	0	0	0	5.6	2.4	0	0	0	0	1.72
Eu ₂ O ₃	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.0	1.0
Eu/Cd	0.51	0.72	1.9	0.62	0.76	0.27	0.49	1.4	0.61	0.63
Eu%	34	42	66	38	43	21	33	57	38	39

	K	L	M	N
*	3015	2613	2010	2010
CdO	15.7	14.5	12.3	11.9
Si ₃ N ₄	29.4	34.2	42.9	42.9
AlN	52.9	49.4	42.9	42.9
Al ₂ O ₃	0	0	0	0
Eu ₂ O ₃	1.0	1.0	1.0	1.2
Eu/Cd	0.13	0.14	0.16	0.20
Eu%	11	12	14	17

FIG. 42

	A	B	C	D	E	F	G	H	I	J
✱	3015	2010	1005	3030	2015	2010	1005	05025	05025	0505
Ca	3.3	2.0	0.6	2.9	1.9	2.7	1.2	0.4	0.5	0.5
Al	15.1	10.3	5.2	20.3	12.2	10.3	5.3	2.6	2.7	3.5
Si	25.2	30.8	36.6	20.2	28.9	30.9	36.7	39.7	39.8	38.9
Eu	1.7	1.4	1.2	1.8	1.5	0.7	0.6	0.5	0.3	0.3
O	5.9	4.1	2.3	10.8	5.9	3.8	2.0	1.1	1.1	1.9
N	48.7	51.4	54.1	43.9	49.5	51.5	54.2	55.6	55.7	54.8

	K	L	M	N
✱	3015	2613	2010	2010
Ca	4.5	3.9	3.0	2.9
Al	15.2	13.3	10.3	10.3
Si	25.3	27.6	31.0	30.9
Eu	0.6	0.5	0.5	0.6
O	5.4	4.7	3.7	3.7
N	49.0	50.0	51.6	51.6

FIG. 43

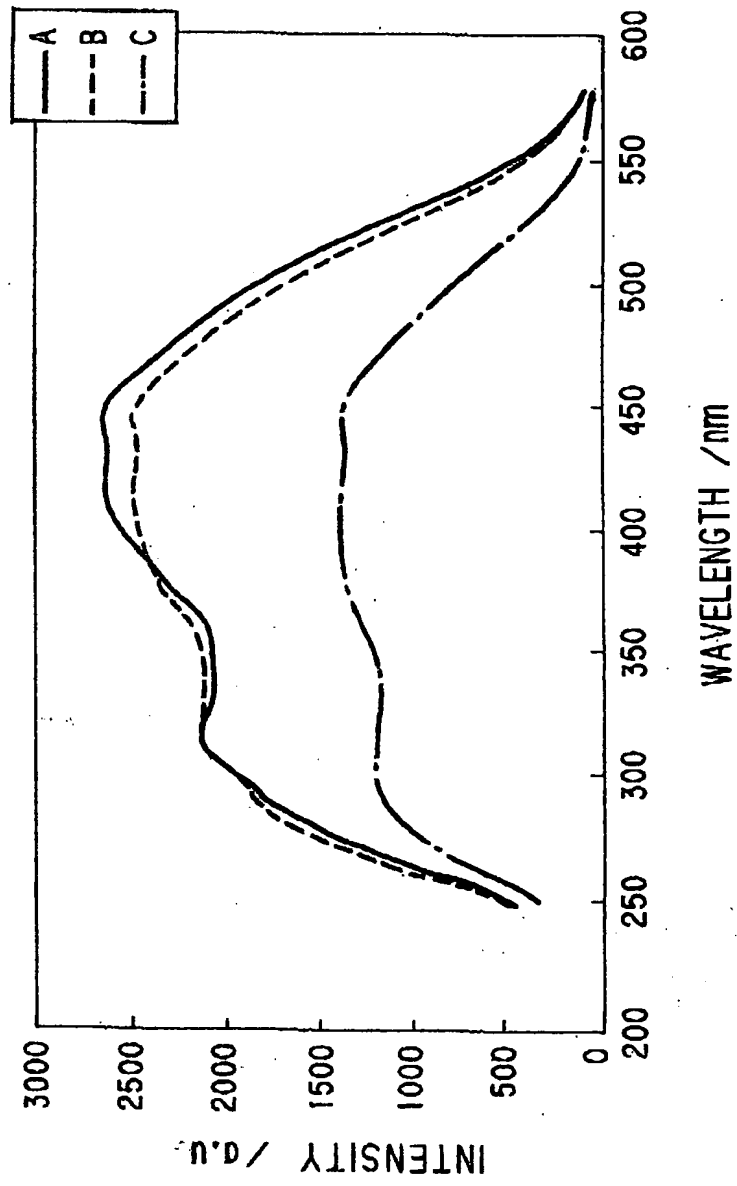


FIG. 44

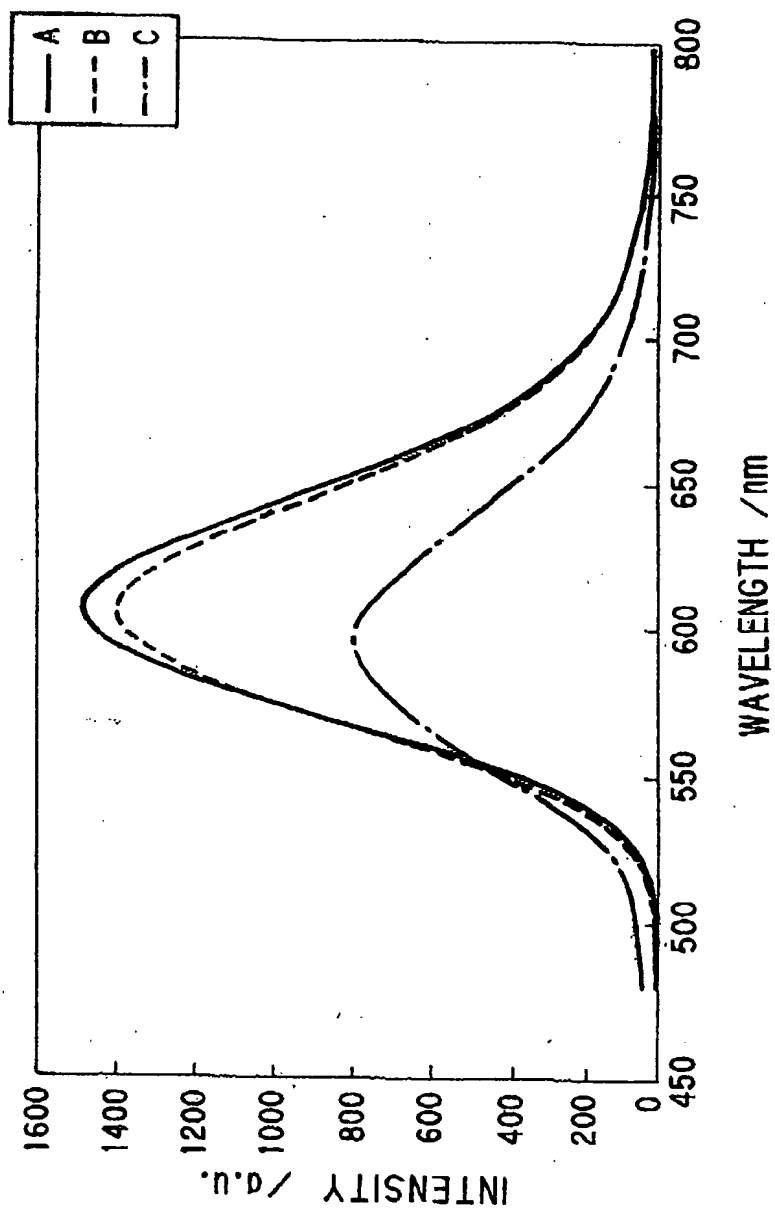


FIG. 45

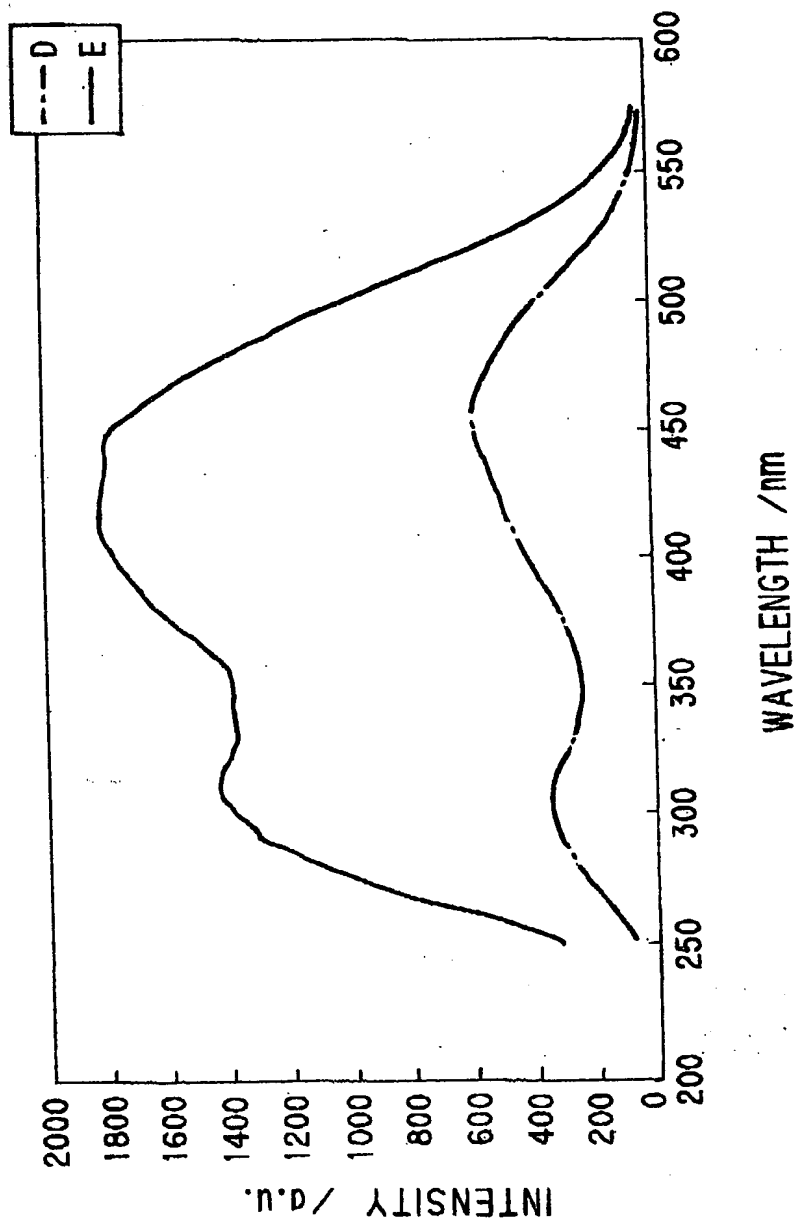


FIG. 46

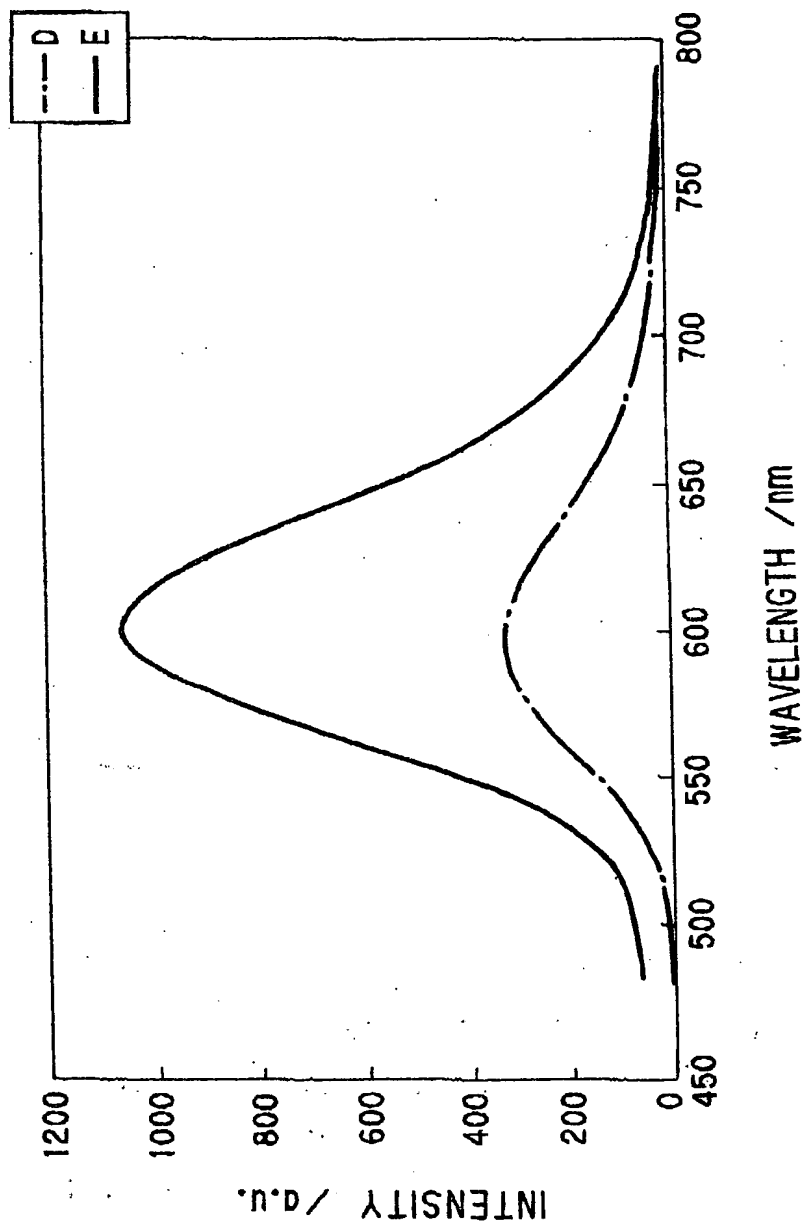


FIG. 47

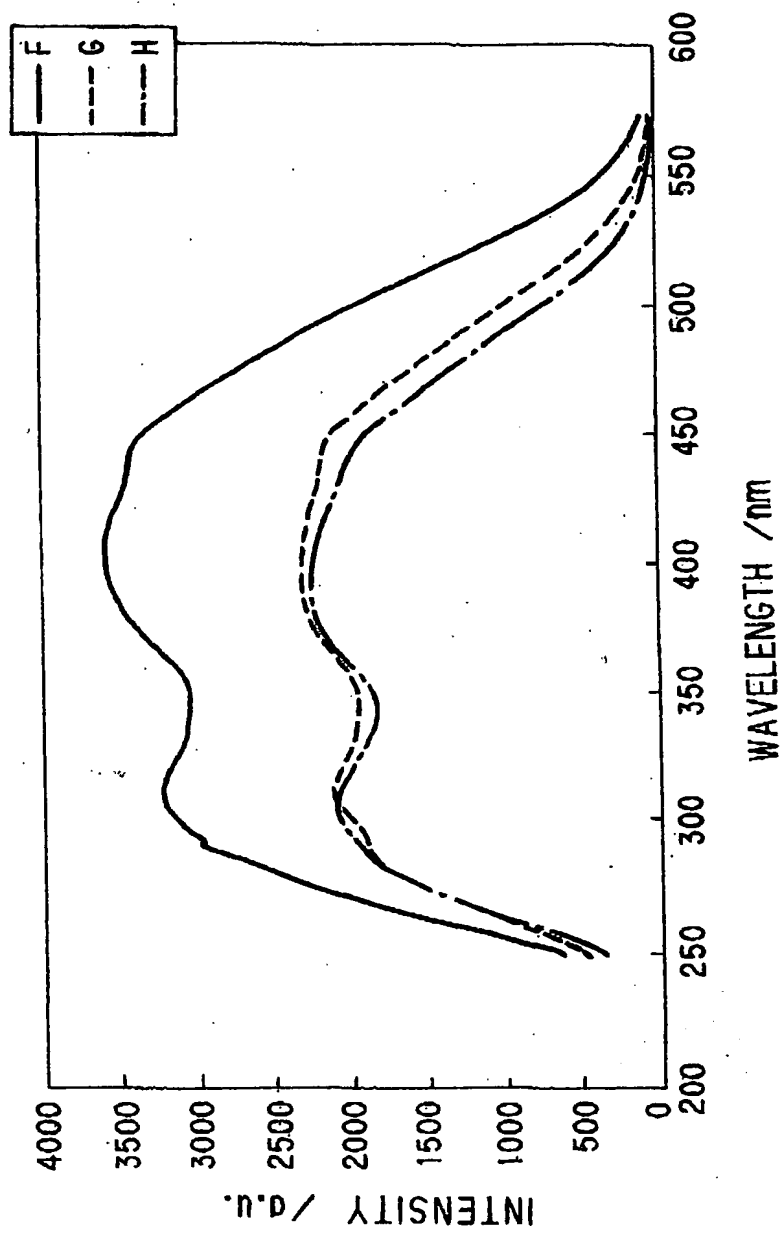


FIG. 48

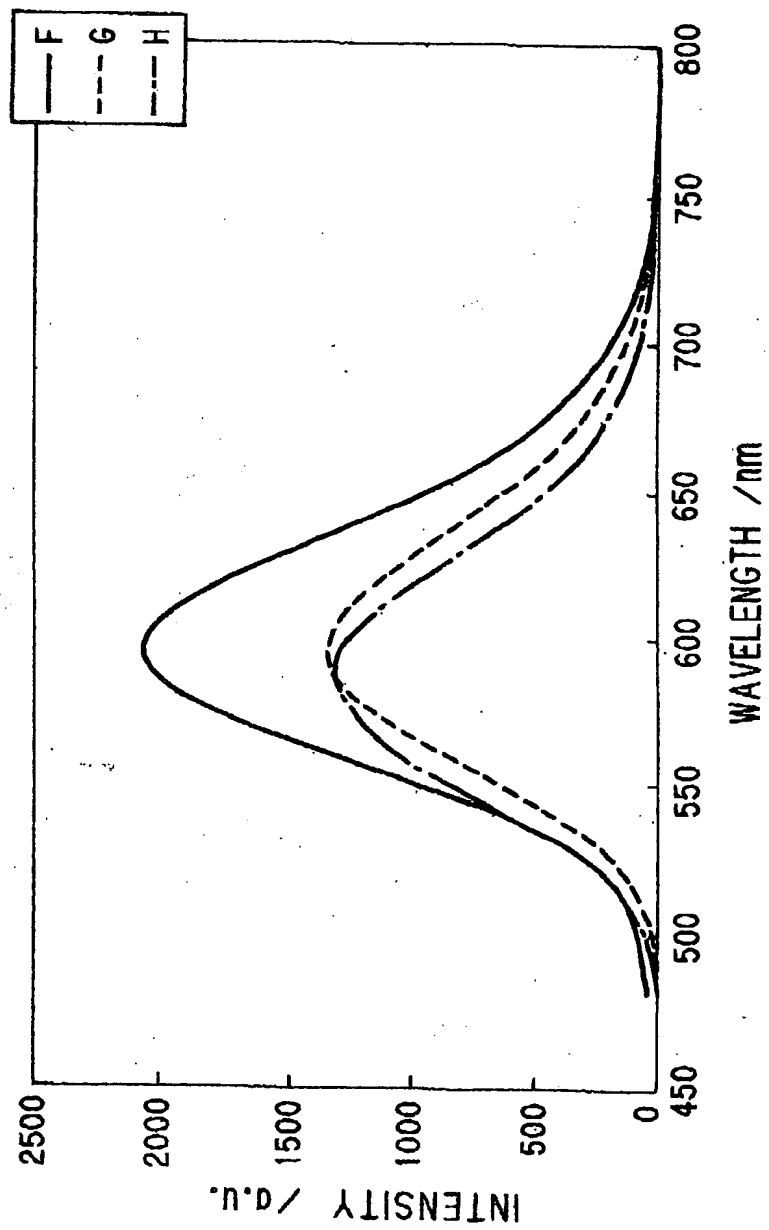


FIG. 49

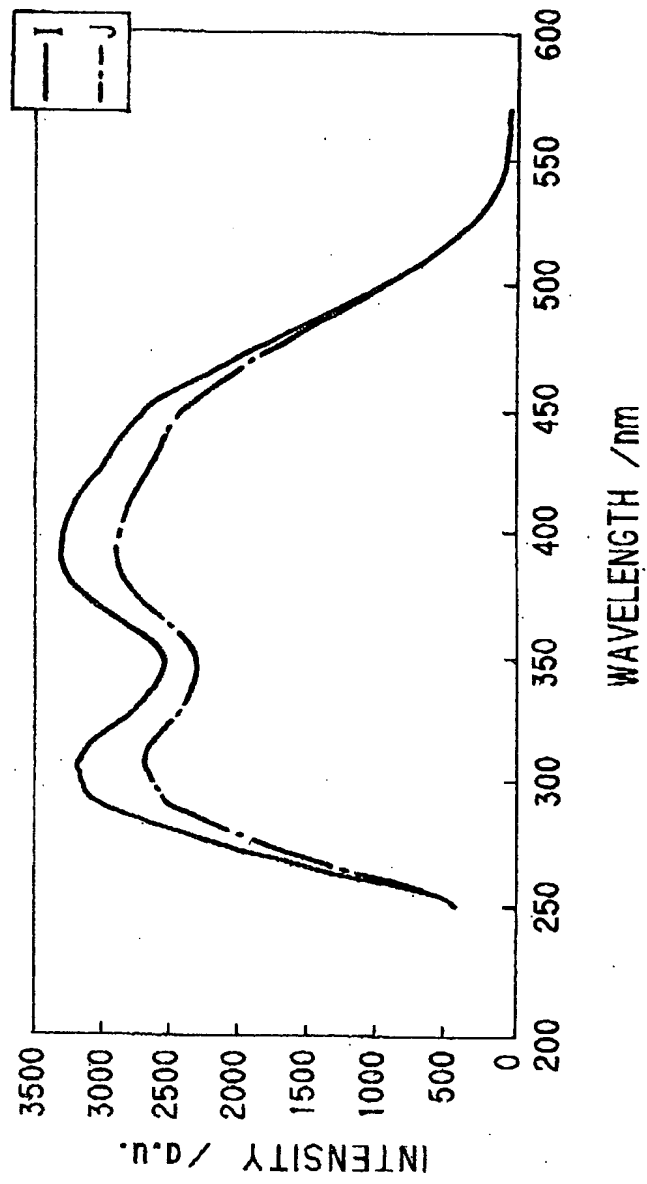


FIG. 50

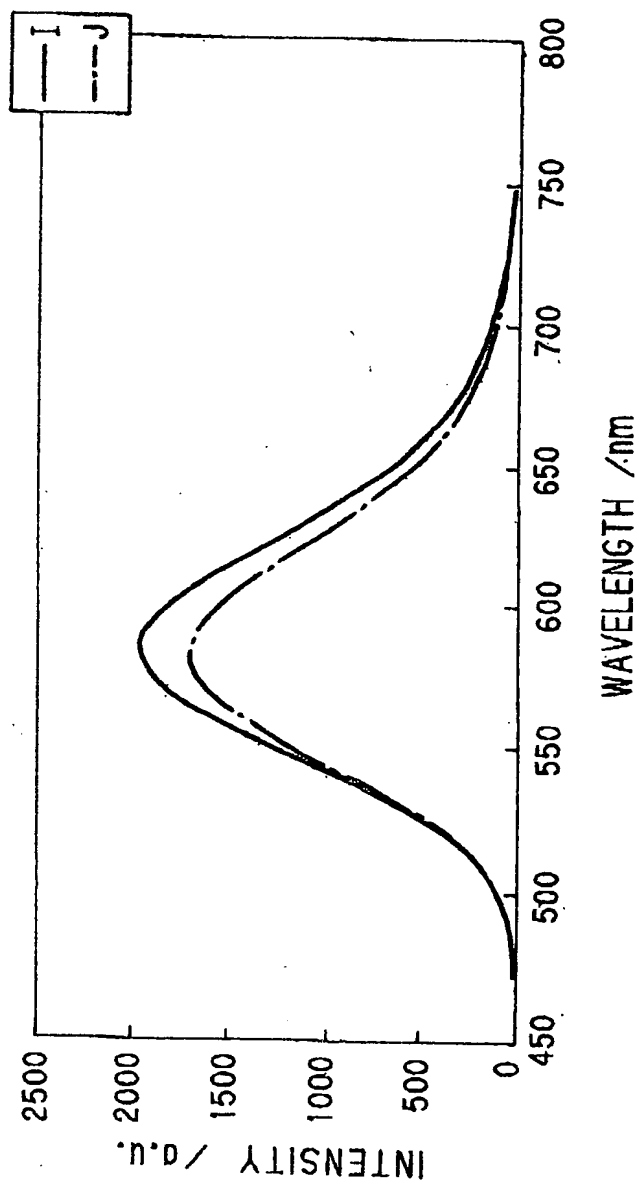


FIG. 51

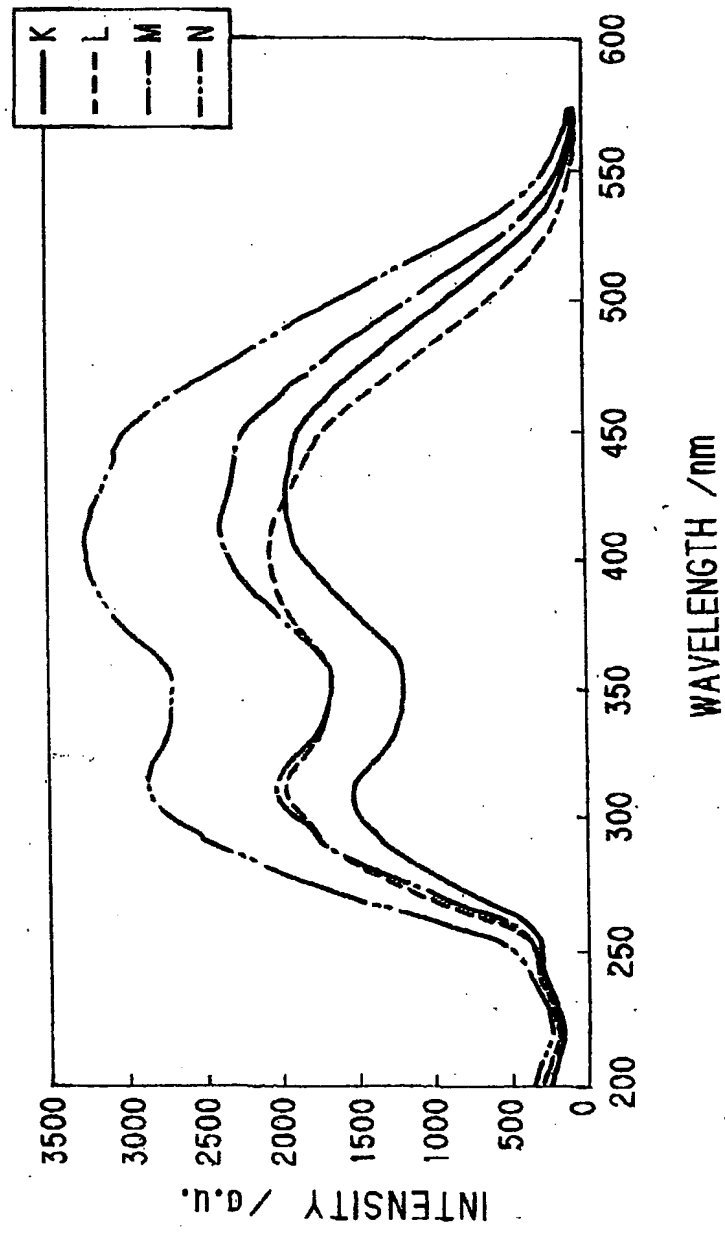


FIG. 52

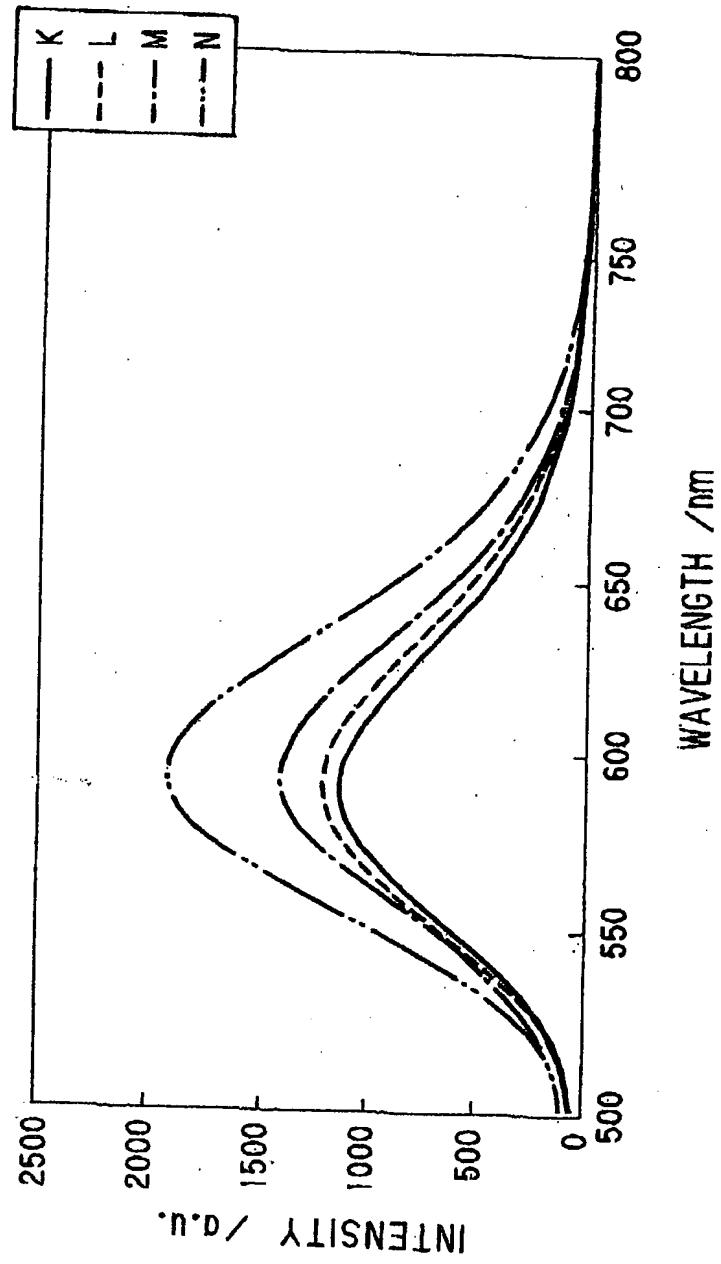


FIG. 53

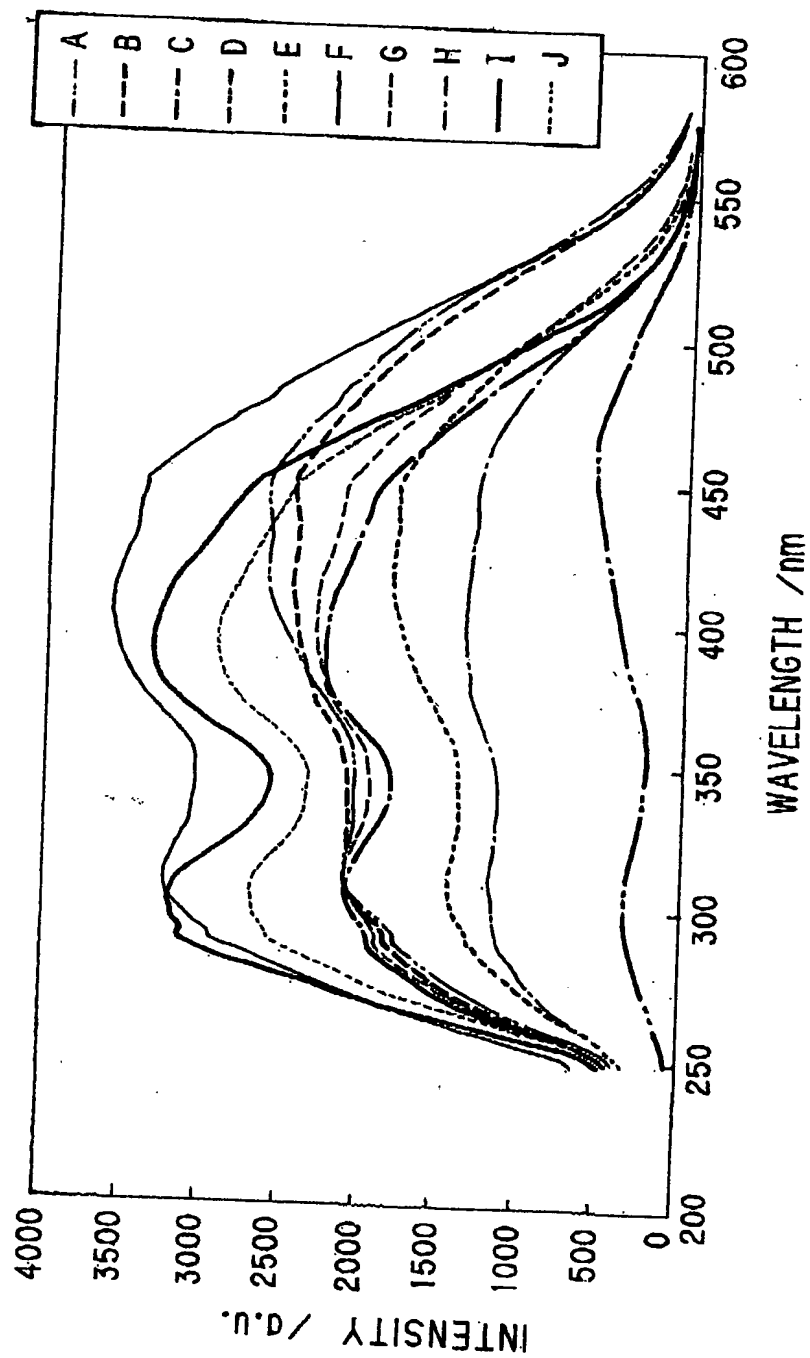


FIG. 54

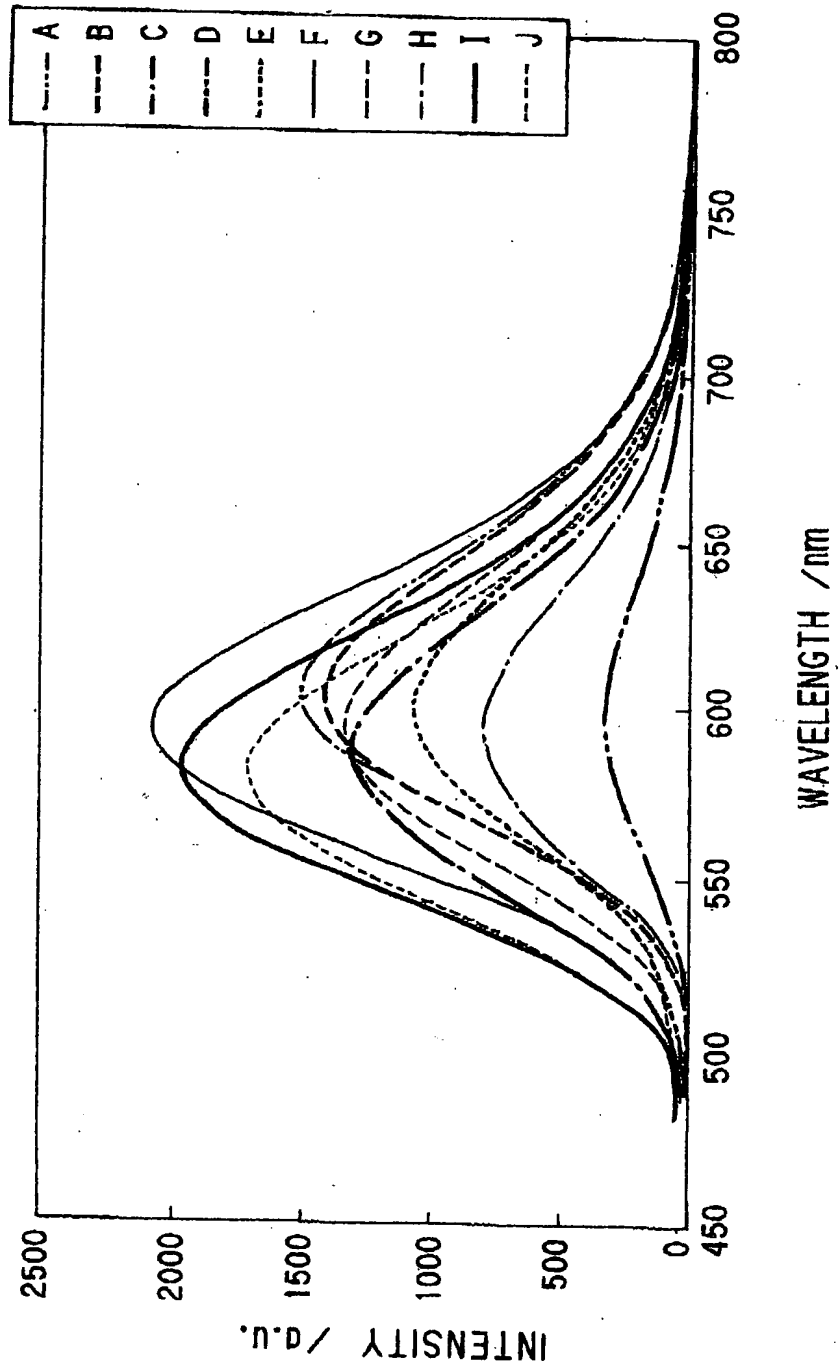


FIG. 55A

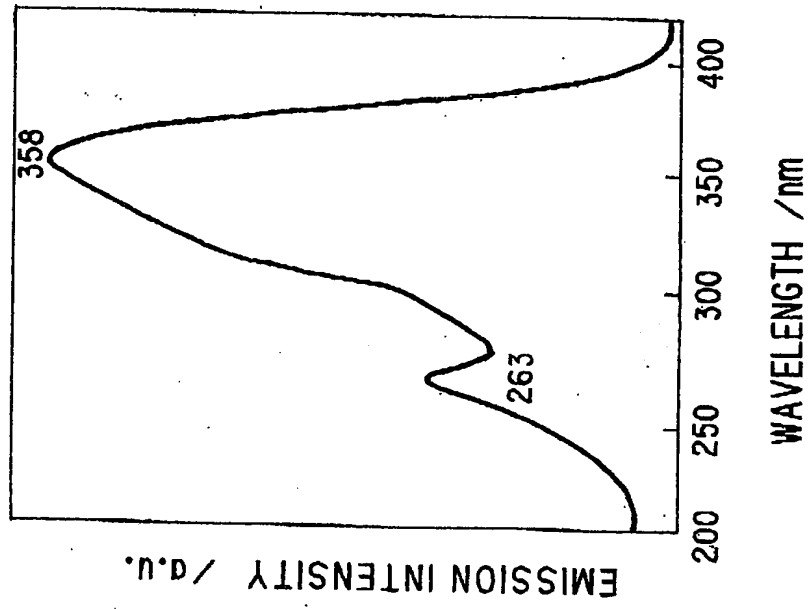


FIG. 55B

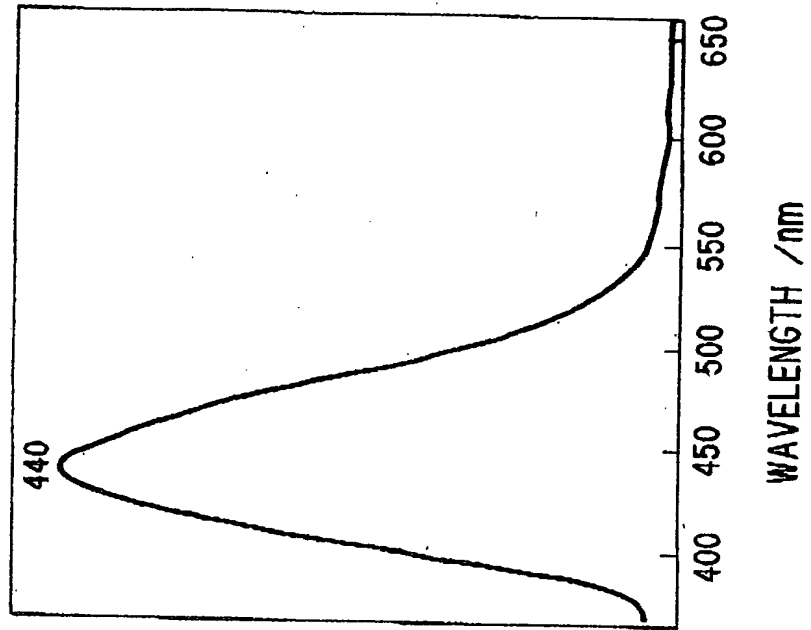


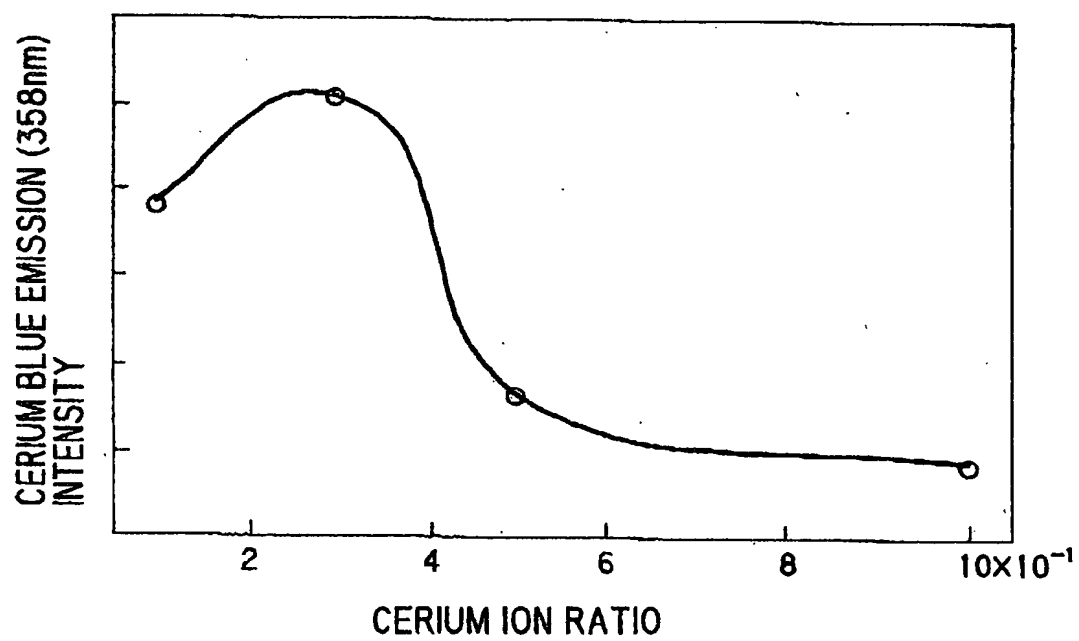
FIG. 56

FIG. 57

